DOCUMENT RESUME

ED 152 497	SE 023 776

AUTHOR	Larsen, Julie L.
TITLE	Solid Waste Management Available Information Materials. Total Listing 1966-1976.
INSTITUTION	Environmental Protection Agency, Washington, D.C. Solid Waste Management Office.
REPORT NO	SW-58-26
PUB DATE	Sep 76
NOTE	111p.; Not available in hard copy due to small and colored print throughout entire document
EDRS PRICE	MF-$0.83 Plus Postage. HC Not Available from EDRS.
DESCRIPTORS	*Bibliographies; *Environmental Education; *Management Education; Pollution; Recycling; *Sanitation; *Waste Disposal; Wastes; Water Pollution Control
IDENTIFIERS	*Environmental Protection Agency; *Solid Waste Management

ABSTRACT

This publication is a compiled and indexed bibliography of solid waste management documents produced in the last ten years. This U.S. Environmental Protection Agency (EPA) publication is compiled from the Office of Solid Waste Management Programs (OSWMP) publications and the National Technical Information Service (NTIS) reports. Included are subject, title, and author indexes of the two publications lists. The introductory section contains some selected materials to serve as an orientation to solid waste management issues. Also, this section includes teaching materials, exhibits, films, training programs, slide programs and other solid waste management materials listed for easy reference. The three indexes have order numbers for each entry; order information is listed in the back of the publication. (MR)

****
* Reproductions supplied by EDRS are the best that can be made *
* from the original document. *
****

solid waste management

available information materials

total listing, 1966-1976

ED152497

U.S. DEPARTMENT OF HEALTH,
EDUCATION & WELFARE
NATIONAL INSTITUTE OF
EDUCATION

THIS DOCUMENT HAS BEEN REPRODUCED EXACTLY AS RECEIVED FROM THE PERSON OR ORGANIZATION ORIGINATING IT. POINTS OF VIEW OR OPINIONS STATED DO NOT NECESSARILY REPRESENT OFFICIAL NATIONAL INSTITUTE OF EDUCATION POSITION OR POLICY

"PERMISSION TO REPRODUCE THIS MATERIAL HAS BEEN GRANTED BY

Bernard Lukco

TO THE EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC) AND USERS OF THE ERIC SYSTEM."

SE 023 776

solid waste management
available information materials

This bibliography (SW-58.26), listing all reports published
by the Office of Solid Waste Management Programs
from January 1966 through June 1976,
was compiled and indexed
by JULIE L. LARSEN

u.s. environmental protection agency

september 1976

foreword

The importance of collecting and making available the information pertaining to solid-waste-related research, demonstration projects, and other activities was emphasized by the specific authorization contained in Section 204(b) of the 1965 Solid Waste Disposal Act, Public Law 89-272. The present comprehensive bibliography lists publications and other educational materials that have been published or collected by the Office of Solid Waste Management Programs, U.S. Environmental Protection Agency, in response to this directive; its contents, reflect the entire scope of the work undertaken by EPA's solid waste program from 1966 to the present, are intended for the serious investigator.

–SHELDON MEYERS
Deputy Assistant Administrator
for Solid Waste Management

contents

introduction 1

basic information materials on solid waste management 3

exhibits 9

films 9

training programs 10

state and regional solid waste offices. 10

subject index 11

office of solid waste management programs (oswmp) publications . 32

national technical information service (ntis) reports 65

title index 82

author index 98

order blanks (oswmp materials, ntis reports, swirs search requests). 104

solid waste abstracts (world's literature search service) (swirs) .108

solid waste management

available information materials

The solid waste management information materials available from the U.S. Environmental Protection Agency (EPA) are from various sources. There are EPA publications and other materials reporting on results of the research, development, and demonstrations authorized by the Solid Waste Disposal Act of 1965, as amended. This far-reaching Federal program of grants and contracts has generated solid-waste-related projects in many fields from 1966 to the present. Reports from the grantees and contractors are published by EPA as soon as available. Presentations and policy statements by key personnel and results of technical investigations conducted by EPA staff are printed by EPA, or submitted to professional journals, so that the reports will reach the most appropriate audience. In the latter case, reprints are frequently purchased and distributed by EPA. Conference proceedings, findings of various commissions and study groups and other collateral literature are also made available as supplies permit. Certain of the items have been grouped in various combinations in special information kits.

In addition to the titles available from EPA, various library systems, or from the Superintendent of Documents, over 250 reports on grant and contract activities relating to solid waste management are available for purchase from the Department of Commerce National Technical Information Service (NTIS). These reports are issued through NTIS to make the data most readily available to the technical community. Author and subject indexes, including both the Office of Solid Waste Management Programs (OSWMP) publications and the NTIS reports are in the back of this catalog. An integrated list of OSWMP publications and NTIS reports, by title, is also included.

We also wish to call to the attention of our readers another OSWMP literature research tool—the OSWMP information retrieval system which makes available (in the form of abstracts) worldwide coverage of the current non-OSWMP-generated literature on solid waste management. A description of OSWMP's Solid Waste Information Retrieval System (SWIRS), with an inquiry form that may be used in requesting a SWIRS literature search, are in the back of the book, as well as an NTIS order form, and an OSWMP information-materials request form.

In gathering and publishing this information on solid waste management, EPA hopes to assist those engaged in the task of finding ways to manage the Nation's burden of solid wastes while at the same time contributing to efforts for resource and energy conservation and land protection.

basic information materials on solid waste management

The following materials have been selected from this catalog to provide an orientation to some of the issues related to the national effort to improve solid waste management: resource/energy conservation, solid waste systems management and land protection, hazardous wastes management, and waste reduction. To order, see films section and order form for OSWMP publications in this catalog.

overall solid waste management issues

oswmp
order nos.*

171. The Solid Waste Disposal Act, Title II of Public Law 89-272--89th Congress, S.306--October 20, 1965; as amended by the Resource Recovery Act of 1970, Public Law 91-512--91st Congress, H.R.11833--October 26, 1970; by Public Law 93-14--93rd Congress, H.R. 5446--April 9, 1973 (To extend the amended Solid Waste Disposal Act--for one year); and by Public Law 93-611--93rd Congress, H.R. 16045--January 2, 1975 (To amend the Solid Waste Disposal Act to authorize appropriations for fiscal year 1975). Environmental Protection Publication SW-1.3. [Washington], U.S. Environmental Protection Agency, Office of Solid Waste Management Programs, 1975. 14 p.

327. The States' roles in solid waste management; a task force report. T. Anderson et al. Lexington, Council of State Governments, 1973. 58 p. Reprinted, [Cincinnati], U.S. Environmental Protection Agency, July 1973.

373. Basic issues on solid waste management affecting county government. National Association of Counties. [Washington], U.S. Environmental Protection Agency, May 1973. 40 p.

331. Cities and the nation's disposal crisis. Washington, National League of Cities and U.S. Conference of Mayors, Mar. 1973. 46 p. Reprinted, [Cincinnati], U.S. Environmental Protection Agency, June 1973.

390. Decision-makers guide in solid waste management. 2d ed. Environmental Protection Publication SW-500. Washington, U.S. Government Printing Office, 1976. 158 p.

525. Solid waste management: horizons unlimited. R. E. Train. Presented at International Waste Equipment and Technology Exposition, Chicago, June 2, 1976. Washington, U.S. Environmental Protection Agency. 16 p.

526. Status of solid waste management in the United States. S. Meyers. Presented at 2d International Congress of the International Solid Wastes Association, Padua, June 24, 1976. Washington, U.S. Environmental Protection Agency. (In press.)

resource/energy conservation

344. Recycling and the consumer; solid waste management. Environmental Protection Publication SW-117. [Washington], U.S. Environmental Protection Agency, 1974. 12 p.

378. Energy conservation through improved solid waste management. R. A. Lowe, M. Loube, and F. A. Smith. Environmental Protection Publication SW-125. [Washington], U.S. Environmental Protection Agency, 1974. 39 p.

---

*See order form for OSWMP publications in back of catalog.

order nos.

432. A nationwide survey of resource recovery activities. L. McEwen. Environmental Protec- Publication SW-142.1 [Washington], U.S. Environmental Protection Agency, 1976. (In press.)

448. Resource recovery and waste reduction; third report to Congress. U.S. Environmental Protection Agency, Office of Solid Waste Management Programs. Environmental Protection Publication SW-161. Washington, U.S. Government Printing Office, 1975. 96 p.

473. Source separation for materials recovery; guidelines. U.S. Environmental Protection Agency. *Federal Register*, 41(80):16950-16956, Apr. 23, 1976.

486. Residential paper recovery; a municipal implementation guide. P. Hansen. Environmental Protection Publication SW-155, [Washington], U.S. Environmental Protection Agency, 1975. 26 p.

490. Guidelines for procurement of products that contain recycled material. U.S. Environmental Protection Agency. *Federal Register*, 41(10):2356-2363, Jan. 15, 1976.

498. Quantity and composition of post-consumer solid waste: material flow estimates for 1973 and baseline future projections. F. A. Smith. *Waste Age*, 7(4):2,6-8,10, Apr. 1976.

503. Saving the energy in solid waste; environmental information. Washington, U.S. Environmental Protection Agency, [1976]. 4 p. [Fact sheet.]

505. Waste reduction and resource recovery--there's room for both. N. Humber. *Waste Age*, 6(11):38,40-41,44, Nov. 1975.

510. Demonstrating source separation in Somerville and Marblehead, Massachusetts. P. Hansen and J. Ramsey. *Waste Age*, 7(2):26-27,48, Feb. 1976.

reports on U.S. Environmental Protection Agency demonstration grants
for energy and materials recovery

264. Energy recovery from waste; solid waste as supplementary fuel in power plant boilers. R. A. Lowe. Environmental Protection Publication SW-36d.ii. Washington. U.S. Government Printing Office, 1973. 24 p.

387. Refuse as a supplementary fuel for power plants--November 1973 through March 1974; interim progress report. G. W. Sutterfield. Environmental Protection Publication SW-36d.iii. [Washington], U.S. Environmental Protection Agency, July 1974. 25 p.

408. Recovering resources from solid waste using wet-processing: EPA's Franklin, Ohio, demonstration project. D. G. Arella. Environmental Protection Publication SW-47d. Washington, U.S. Government Printing Office, 1974. 26 p.

431. Baltimore demonstrates gas pyrolysis; resource recovery from solid waste. D. B. Sussman. Environmental Protection Publication SW-75d.i. Washington, U.S. Government Printing Office, 1975. 24 p.

442. San Diego County demonstrates pyrolysis of solid waste to recover liquid fuel, metals, and glass. S. J. Levy. Environmental Protection Publication SW-80d.2. Washington, U.S. Government Printing Office, 1975. 27 p.

528. Resource recovery technology update from the U.S.E.P.A.: status report on resource recovery technology: demonstrating resource recovery. S. Lingle, *ed. Waste Age*, 7(6):19,22,26,42,44-46, June 1976.

waste reduction

353. Resource recovery and source reduction; second report to Congress. U.S. Environmental Protection Agency, Office of Solid Waste Management Programs. Environmental Protection Publication SW-122. Washington, U.S. Government Printing Office, 1974. 112 p.

order nos.

364. Environmental protection, residuals management, and resources--the future is now. A. Darnay. Presented at Annual Meeting of National Packaging Association, Boca Raton, Fla., Mar 12-16, 1974. [Washington], U.S. Environmental Protection Agency, 1974. 23 p.

416. Source reduction fact sheet; Red Owl Stores program. [Washington], U.S. Environmental Protection Agency, [1974]. 3 p.

447. Source reduction fact sheet; reducing waste at its source, program of International Paper Company and Wells Dairy. Washington, U.S. Environmental Protection Agency. May 1975. 2 p.

448. Resource recovery and waste reduction; third report to Congress. U.S. Environmental Protection Agency, Office of Solid Waste Management Programs. Environmental Protection Publication SW-161. Washington, U.S. Government Printing Office, 1975. 96 p.

456. Reduce; targets, means and impacts of source reduction. D. Wahl and G. Allison. League of Women Voters Publication No. 576. Washington, League of Women Voters of the United States, 1975. 47 p.

459. Statement of Honorable John R. Quarles, Jr., Deputy Administrator, Environmental Protection Agency, before the Subcommittee on the Environment, Committee on Commerce, United States Senate, May 7, 1974. J. R. Quarles, Jr. Washington, U.S. Environmental Protection Agency, 1975. 14 p.

460. Win the war on waste. R. E. Train. Presented at 3d National Congress on Waste Management Technology and Resource Recovery, San Francisco, Nov. 14, 1974. [Washington, U.S. Environmental Protection Agency, 1975.] 15 p.

461. Proceedings; 1975 Conference on Waste Reduction, April 2-3, 1975, Washington, D.C. U.S. Environmental Protection Agency, Office of Solid Waste Management Programs. Environmental Protection Publication SW-7p. Washington, U.S. Government Printing Office, 1975. 152 p.

462. Questions and answers; returnable beverage containers for beer and soft drinks. [Washington, U.S. Environmental Protection Agency, Office of Solid Waste Management Programs], July 1975. [13 p.]

463. Solid waste management; guidelines for beverage containers. U.S. Environmental Protection Agency. *Federal Register*, 40(220):52968-52969, Nov. 13, 1975.

487. Beverage containers: the Vermont experience. M. Loube. Environmental Protection Publication SW-139. [Washington], U.S. Environmental Protection Agency, 1975. 16 p.

500. Reduce the incentive to waste. J. H. Skinner. Paper No. 7d. Presented at 80th National Meeting, American Institute of Chemical Engineers, Boston, Sept. 8, 1975. 9 p.

505. Waste reduction and resource recovery--there's room for both. N. Humber. *Waste Age*, 6(11):38,40-41,44, Nov. 1975.

solid waste systems management and land protection

47. Sanitary landfill facts. 2d ed. T. J. Sorg and H. L. Hickman, Jr. Public Health Service Publication No. 1792. Washington, U.S. Government Printing Office, 1970. 30 p.

order nos.

287. Sanitary landfill design and operation. D. R. Brunner and D. J. Keller. Environmental Protection Publication SW-65ts. Washington, U.S. Government Printing Office, 1972. 59 p.

385. Thermal processing and land disposal of solid waste; guidelines. *Federal Register*, 39(158):29327-29338, Aug. 14, 1974.

409. A five-stage improvement process for solid waste collection systems. K. A. Shuster. Environmental Protection Publication SW-131. Washington, U.S. Government Printing Office, 1974. 38 p.

504. Guidelines for the storage and collection of residential, commercial, and institutional solid waste. U.S. Environmemtal Protection Agency. *Federal Register*, 41(31):6766-6772, Feb. 13, 1976.

510. Demonstrating multimaterial source separation in Somerville and Marblehead, Massachusetts. P. Hansen and J. Ramsey. *Waste Age*, 7(2):26-27,48, Feb. 1976.

Motion picture:

The big pickup. Environmental Protection Publication SW-100c. [28 min, 16 mm, sound, color, 1974.] Describes America's $5-billion-a-year chore--collecting solid waste. Shows the garbage collector's problems and illustrates new techniques that can improve efficiency and effectiveness.

Training programs:

Operation responsible; training for safe refuse collection. Refuse collectors suffer 10 to 15 times as many injuries as the average worker. This three-part safety training package, aimed at reducing such injuries, includes a 16-mm film (20 min, sound, color); an instructor's manual with 24 color slides, 35 mm; and a trainee's manual with 241 color slides, 35 mm.

Training for sanitary landfill operations. Even the best planned and most carefully engineered sanitary landfills will fail to meet current standards if the personnel charged with daily operation are not fully trained in their assigned duties. This three-part training package includes a 16-mm film (22 min, sound, color); an instructor's manual with 206 color slides, 35 mm; and a trainee's manual with 10 color slides, 35 mm. (A few sets of this training program are available on a free loan basis to government agencies from Solid Waste Information Materials Control Section, U.S. Environmental Protection Agency, Cincinnati, Ohio 45268.)

hazardous waste management

345. Disposal of hazardous wastes; report to Congress. U.S. Environmental Protection Agency, Office of Solid Waste Management Programs. Environmental Protection Publication SW-115. Washington, U.S. Government Printing Office, 1974. 110 p.

376. Pesticides and pesticide containers; regulations for acceptance and recommended procedures for disposal and storage. *Federal Register*, 39(85):15235-15241, May 1, 1974.

398. Pesticides and pesticide containers; proposed regulations for prohibition of certain acts regarding disposal and storage. *Federal Register*, 39(200):36867-36870, Oct 15, 1974.

399. Federal program for hazardous waste management. J. P. Lehman. *Waste Age*, 5(6):6-7, 66-68, Sept. 1974.

406. Hospital wastes. I. Kiefer. Environmental Protection Publication SW-129. Washington, U.S. Government Printing Office, 1974. 36 p.

450. Hazardous wastes. Environmental Protection Publication SW-138. Washington, U.S. Government Printing Office, 1975. 24 p.

452. Hazardous wastes and their management; environmental information. Washington, U.S. Environmental Protection Agency, May 1975. 3 p.

489. A summary of hazardous substance classification systems. A. M. Kohan. Environmental Protection Publication SW-171. [Washington], U.S. Environmental Protection Agency, 1975. 55 p.

516. PCB-containing wastes (industrial facilities); recommended procedures for disposal. U.S. Environmental Protection Agency. *Federal Register*, 41(64):14134-14136, Apr. 1, 1976.

slide show

Hazardous wastes, the gross national byproduct. Environmental Protection Publication SW-502. [18 min, 35 mm, sound, color, 1975.] Depicts damage from improper hazardous waste disposal on the land. Identifies sources of the waste, gives quantities and types of waste being generated, and explains the effect of exposure to hazardous materials. Available methods of management of hazardous wastes are described, as well as the status of hazardous waste programs.

teaching materials (junior high and high school students)

overall solid waste issues

314. Don't leave it all to the experts; the citizen's role in environmental decision making. Washington, U.S. Government Printing Office, Nov. 1972. 20 p.

335.* There lived a wicked dragon. M. Finan. Environmental Protection Publication SW-105. Washington, U.S. Government Printing Office, 1973. 30 p. [Coloring book.]

430.* Había una vez un dragon malvádo. M. Finan. Environmental Protection Publication SW-105s. [Washington], U.S. Environmental Protection Agency, 1975. 31 p. [Coloring book, Spanish version of "There Lived a Wicked Dragon."]

525. Solid waste management: horizons unlimited. R. E. Train. Presented at International Waste Equipment and Technology Exposition, Chicago, June 2, 1976. Washington, U.S. Environmental Protection Agency. 1[illegible]

526. Status of solid waste management in the United States. S. Meyers. Presented at 2d International Congress of the International Solid Wastes Association, Padua, June 24, 1976. Washington, U.S. Environmental Protection Agency. (In press.)

resource/energy conservation

333. The salvage industry; what it is--how it works. I. Kiefer. Environmental Protection Publication SW-29c.1. Washington, U.S. Government Printing Office, 1973. 32 p. [Condensation.]

403. Recycling and the consumer; solid waste management. Environmental Protection Publication SW-117.1. [Washington], U.S. Environmental Protection Agency, 1974. [16-3/4 x 22-in. two-sided sheet with information about recycling as well as illustrations of five recyclable materials, which can be made into a mobile.]

466.* What you can do to recycle more paper. Environmental Protection Publication SW-143. [Washington], U.S. Environmental Protection Agency, 1975. [12 p.]

507. Saving the energy in solid waste; environmental information. Washington, U.S. Environmental Protection Agency, [1976]. 4 p.

motion picture:*

The village green. Environmental Protection Publication SW-8tg. [15 min, 16 mm, sound, color, 1974. Cleared for TV.] Documents a successful and self-sustaining recycling center in New York City sponsored by the Environmental Action Coalition.

---

*Suitable for elementary school.

systems management

299.* The processing and recovery of Jon Thomas--cool cat! T. Marceleno. Washington, U.S. Government Printing Office, 1972. [34 p.]

motion pictures:*

The big pickup. Environmental Protection Publication SW-100c. [28 min, 16 mm, sound, color, 1974.] Describes America's $5-billion-a-year chore--collecting solid waste. Shows the garbage collector's problems and illustrates new techniques that can improve efficiency and effectiveness.

Portrait of the san-man. Environmental Protection Publication SW-6tg.1. [16 min, 16 mm, sound, 1974. Cleared for TV.] Based on interviews with the men who collect New York City's tons of garbage every day.

hazardous wastes

406. Hospital wastes. I. Kiefer. Environmental Protection Publication SW-129. Washington, U.S. Government Printing Office, 1974. 36 p.

450. Hazardous wastes. Environmental Protection Publication SW-138. Washington, U.S. Government Printing Office, 1975. 24 p.

452. Hazardous wastes and their management; environmental informtion. Washington, U.S. Environmental Protection Agency, May 1975. 3 p.

slide show:

Hazardous wastes, the gross national byproduct. Environmental Protection Publication SW-502. [18 min, 35 mm, sound, color, 1975.] Depicts damage from improper hazardous waste disposal on the land. Identiries sources of the waste, gives quantities and types of waste being generated, and explains the effect of exposure to hazardous materials. Available methods of management of hazardous wastes are described, as well as the status of hazardous waste programs.

waste reduction

313. Waste not, want not. Washington, U.S. Government Printing Office, 1972. [9 x 13-in. poster.]

392. Malgastar causa necesidad. Washington, U.S. Environmental Protection Agency, 1974. [9 x 13-in. poster; Spanish version of "Waste not, want not."]

416. Source reduction fact sheet; Red Owl Stores program. [Washington], U.S. Environmental Protection Agency, [1974]. 3 p.

447. Source reduction fact sheet; reducing waste at its source, program of International Paper Company and Wells Dairy. Washington, U.S. Environmental Protection Agency, May 1975. 2 p.

456. Reduce; targets, means and impacts of source reduction. D. Wahl and G. Allison. League of Women Voters Publication No. 576. Washington, League of Women Voters of the United States, 1975. 47 p.

---

*Suitable for elementary school.

exhibits

For information on exhibits, write to Solid Waste Information, U.S. Environmental Protection Agency, Cincinnati, Ohio 45268. Please include your *phone number* and address.

Protect the good earth. U.S. Environmental Protection Agency, 1972. [2 x 2-1/2 ft, portable exhibit, 3 panels, carrying wt 35 lb.]

Solid waste--a valuable resource. U.S. Environmental Protection Agency, 1973. [3-1/3 x 5 ft, permanent exhibit, 6 panels, shipping wt 500 lb.]

films

The following films may be borrowed from RHR Filmedia, Inc., 1212 Avenue of the Americas, New York, New York 10036. Allow 6 weeks for scheduling.

The big pickup. Environmental Protection Publication SW-100c. Describes America's $5-billion-a-year chore--collecting solid waste. Shows the garbage collector's problems and illustrates new techniques that can improve efficiency and effectiveness. [28 min, 16 mm, sound, color, 1974.]

The green box. The residents of Chilton County, Alabama, switched from rat-infested open dumps to a trash collection system utilizing green containers that were emptied every second day. Portrays an approach specifically tailored for rural areas. [17 min, 16 mm, sound, color, 1970. Cleared for TV.]

The following motion picture and slide show may be borrowed from Solid Waste Information, U.S. Environmental Protection Agency, Cincinnati, Ohio 45268. Allow 4 weeks for scheduling.

Hazardous wastes, the gross national byproduct. Environmental Protection Publication SW-502. Depicts damage from improper hazardous waste disposal on the land. Identifies sources of the waste, gives quantities and types of waste being generated, and explains the effect of exposure to hazardous materials. Available methods of management of hazardous wastes are described, as well as the status of hazardous waste programs. [18-min, 35-mm slide show, sound, color, 1975.]

Portrait of the san-man. Environmental Protection Publication SW-6tg.1. Actual interviews with the men who collect New York City's tons of garbage every day. [16 min, 16 mm, sound, 1974. Cleared for TV.]

The following film may be borrowed from RHR Filmedia, Inc., 1212 Avenue of the Americas, New York, New York 10036, or purchased from the National Audiovisual Center, General Services Administration, Washington, D.C. 20409. Prices are listed with each film. Allow 6 weeks for scheduling of films from RHR Filmedia, Inc., and 4 weeks for films from the National Audiovisual Center.

Sanitary landfill; one part earth to four parts refuse. Environmental Protection Publication SW-99c. Describes the well-planned landfill--from site selection to use of the completed fill. Designed with technical audiences in mind; includes consideration of equipment types, climate, operating procedures, and topographical and soil conditions. [24 min, 16 mm, sound, color, 1969. Cleared for TV. $97.75]

The following films may be rented or purchased from the National Audiovisual Center, General Services Administration, Washington, D.C. 20409. Allow 4 weeks for scheduling.

Hazardous wastes, the gross national byproduct. Environmental Protection Publication SW-502. Depicts damage from improper hazardous waste disposal on the land. Identifies sources of waste, gives quantities and types of waste being generated, and explains the effect of exposure to hazardous materials. Available methods of management of hazardous wastes are described, as well as the status of hazardous waste programs. [18-min, 35-mm slide show, sound, color, 1975.]

Operation responsible; safe refuse collection. Dramatizes the problems and responsibilities of solid waste collectors and the importance to the community of professional solid waste collection. Aimed primarily at motivating the employees to safe work techniques, it lays the groundwork for the technical sessions of a training course for refuse collectors. (See Training Programs, following.) [20 min, 16 mm, sound, color, 1972. Cleared for TV. $75]

Sanitary landfill--you're the operator. Through the device of an interview with a visiting newsman, a sanitary landfill foreman gives you an inside look at his job. Interesting to citizen groups and those concerned with improving conditions in the sanitation industry. Serves as the introduction to a technical training program for landfill personnel. (See Training Programs, following.) [22 min, 16 mm, sound, color, 1973. Cleared for TV. $70]

The village green. Environmental Protection Publication SW-8tg. Documents a successful and self-sustaining recycling center in New York City sponsored by the Environmental Action Coalition. [15 min, 16 mm, sound, color, 1974. Cleared for TV. $79]

A few copies of the first three items above are available on a free loan basis to government agencies from Solid Waste Information, U.S. Environmental Protection Agency, Cincinnati, Ohio 45268.

training programs

These training programs may be purchased from the National Audiovisual Center, General Services Administration, Washington, D.C. 20409.

Operation responsible; training for safe refuse collection. Refuse collectors suffer 10 to 15 times as many injuries as the average worker. This three-part safety training package aimed at reducing such injuries includes a 16-mm motion picture (20 min, sound, color); an instructor's manual with 24 color slides, 35 mm; and a trainee's manual with 241 color slides, 35 mm.

Training for sanitary landfill operations. Even the best planned and most carefully engineered sanitary landfills will fail to meet current standards if the personnel charged with daily operations are not fully trained in their assigned duties. This three-part training package includes a 16-mm motion picture (22 min, sound, color); an instructor's manual with 206 color slides, 35 mm; and a trainee's manual with 10 color slides, 35 mm. (A few sets of this training program are available on a free loan basis to government agencies from Solid Waste Information, U.S. Environmental Protection Agency, Cincinnati, Ohio, 45268.)

state and regional solid waste offices

Order from Solid Waste Information, U.S. Environmental Protection Agency, Cincinnati, Ohio 45268.

393. State solid waste management agencies. [Washington], U.S. Environmental Protection Agency. [List, updated periodically.]

439. [Regional solid waste management representatives. Washington, U.S. Environmental Protection Agency.] 1 p. [List, updated periodically.]

subject index

Numbers following entries are order numbers, by which the publications are listed in this catalog. In general, the higher the number, the more current is the publication; i.e., 1975 OSWMP reports start with no. 426, and 1976 reports start with no. 490. PB numbers refer to EPA's reports on work performed under grant or contract on solid waste management which are available through the National Technical Information Service; these are listed in a separate section.

A

- *Accession Bulletin; Solid Waste Information Retrieval System*, 195
- Accounting systems for solid waste management, 86, 111, 153, 176, 182, 451, 493, PB-249 747
- Activated carbon from refuse, 431, PB-221 172, PB-229 246
- Activated sludge process for disposal of hazardous wastes, PB-224 583
- Aerobic treatment of organic wastes, 297, PB-222 029, PB-222 031, PB-222 396, PB-225 160, PB-233 441
- Agricultural uses of solid waste. *See* Composting
- Agricultural wastes, 104, 120
  - generation, PB-222 467
    - in California, 175
    - in New York State, 233
  - photosynthetic reclamation, PB-222 454
  - *See also* Composting; Livestock wastes; Plant residue decomposition in soil
- Air classification of solid wastes, 102, 256
- Air pollution
  - controls, effects on solid waste generation, PB-238 819
  - film. *See The Third Pollution* in Films section of catalog
  - from burning solid wastes, 30, 62, 100, 175, 213, 264, 292, 448, 467
    - Franklin, Ohio, plant, PB-245 674
    - St. Louis plant, 412, PB-243 634
  - from landfills, 494
- Airport solid wastes, PB-219 372
- Akron, Ohio, solid waste management system, 423
- Alcohol from cellulose wastes, PB-221 239
- Alkali wastes, PB-244 382
- Aluminum
  - recycling and recovery, 225, 261, 308, 353, 448, 491, PB-208 674, PB-212 729, PB-235 770
    - forecasts for 1972 to 1990, PB-245 924
    - markets. *See* Markets for recycled and recovered materials
    - specifications for recovered aluminum, PB-242 540
    - taxes affecting use of recycled aluminum, PB-240 988
  - transportation rates for virgin and secondary materials, PB-233 871
- Ames, Iowa, solid waste system, 466-467
- Anaerobic digestion of solid waste to methane, 178, 378, 448, 458
- Analysis of solid wastes. *See* Composition and analysis
- Animal processing industry wastes, 20
- Animal wastes. *See* Livestock wastes
- Antilitter:
  - campaign of Keep America Beautiful, Inc., 318, 455
  - legislation, 455
  - *See also* Litter
- Application for a chemical waste land disposal facility demonstration grant, PB-249 747
- Arbuckle Regional Development Authority, Oklahoma, PB-234 612
- Arkadelphia City Dump, Arkansas, PB-243 029
- Arsenic wastes, PB-224 585
- Asphalt-glass aggregate as paving, 261, 431, PB-222 052
- Assistance available under the Solid Waste Disposal Act. *See* Federal grants for solid waste management
- Associations and organizations for resource recovery, 470
- Atlanta household refuse compactor demonstration project, PB-234 605
- Atlanta solid waste management system, PB-234 612
- Attitudes of citizens on refuse problems. *See* Public opinion on refuse problems
- Automobile disposal, 6, 30, 106, PB-221 879
  - aerial and automotive reconnaissance for dumping sites, 277
  - in small communities, 354
  - in Washington, D.C., 191
  - President's message on the environment (1970), 129
  - recycling, 275, 353, PB-223 034
  - upgrading automotive scrap steel, PB-223 740
  - *See also* Salvaging and salvage markets; Steel, scrap

B

- Bacteria destruction in incinerators. *See* Pathogens in incinerator residue
- Bagging, 60, 248, 270, 390, PB-212 590
  - film. *See In the Bag* in Films section of catalog
- Baldwin County, Alabama, solid waste management system, PB-234 612
- Baling and balefills, 248, 252, 390, PB-214 960, PB-247 185
  - Tezuka, Japan, compression system, 69
  - *See also* Compaction of solid waste; Shredding; Size reduction of solid wastes
- Baltimore solid waste management system, 123, 283, 353, 417, 431, PB-228 161
  - gas pyrolysis, 353, 431
- Bark waste, recycling, PB-221 876
- Battelle Memorial Institute classification of hazardous substances, 489
- Batteries industries land-destined wastes, PB-241 204
- Beverage containers, 326, 353, 405, 424, 448, 456, 461-462, PB-213 341
  - deposit laws, 325, 396, 421, 461-462, 487
    - economic impacts of returnables, 325, 353, 456, 461-462, 487
    - effect on:
      - industry, 325, 461-462, 487
      - resource recovery, 505
    - Oregon's bottle bill, 325, 396, 421, 461-462
    - speech by Russell Train, 460
    - statement by John Quarles, Jr., before the Subcommittee on the Environment (1974), 459
    - Vermont beverage container law, 462, 487
  - Eco Pak Milk Carton, 447, 461
  - energy savings with returnables, 326, 378, 405, PB-213 341

Beverage containers (continued)
  environmental impacts, 332, 405
  plastic, 261
  Proceedings of the Solid Waste Resources Conference on Design of Consumer Containers for Re-use or Disposal (1971), 261
  recycling nonreturnables, 225
  standards and guidelines (proposed), 463
  water-disposable glass, 236, 261
  See also Packaging and containers; Tin cans
Bibliographies on solid waste management, 127-128, 203, 231, 257-258, 281-282
  collection and disposal, 35-39
  disease and solid waste, 48
  Federal contract research, 85
  Federal demonstration grant projects (1971), 232
  Federal research and training grants (1970), 190
  film list, 349
  hazardous wastes, 475, PB-224 595
  hospital solid wastes, PB-227 708
  local ordinances, 253
  Office of Solid Waste Management Programs publications, 203
  patents (abstracts), 1, 317, 319
  resource recovery, 470
  sanitary landfill, 46-47, 384, PB-213 487
  SWIRS *Accession Bulletin*, 195
  waste oil disposal, PB-237 618
Biodegradability of plastics, 199, 254, 324, PB-213 488
Biological treatment of wastes, 178, 345
  cellulose wastes, 178, 295, PB-223 625
  hazardous wastes, PB-224 583
  livestock wastes, 297, PB-221 171, PB-222 396
  with photosynthetic bacteria, PB-222 454
Bird hazards to aircraft near solid waste disposal sites, 355
Boilers (electric utility) with capacity for burning waste as fuel, PB-239 392
  See also Energy recovery from waste—steam and electricity from solid wastes
Booz-Allen Applied Research, Inc., classification of hazardous substances, 489
Bowerman classifier, PB-208 674
Braintree, Massachusetts, solid waste management system, PB-234 612
Brevard County, Florida, solid waste management system, PB-234 612
Brookhaven, New York, solid waste management system, PB-234 612
Broward County, Florida, solid waste management system, PB-234 612
Buffalo, New York, crusher facility, PB-225 159
Bulky refuse, PB-221 731, PB-228 119
  See also Wood wastes
Bulletin of courses in solid waste management training (1971-1972), 208
Bullitt County, Kentucky, aerial and automotive reconnaissance for dumps, 277
Bumper sticker, 414
Bureau of Solid Waste Management. *See* Office of Solid Waste Management Programs

C

Cadmium wastes, PB-224 585, PB-241 204
Calculator for sanitary landfills, 351
California
  classification of hazardous substances, 489
  solid waste management study and plan, 175
Carbon (activated) from refuse, 431, PB-221 172, PB-229 246
Carbon black from tires, PB-234 602
Carbon content of solid wastes, 193
Cascade County, Montana, solid waste disposal, 118
Cellulose wastes, PB-223 625
  activated carbon from, PB-221 172, PB-229 246
  alcohol from, PB-221 239
  degradation in composting, 126, 205, PB-215 722
  levulinic acid from, PB-229 246
  liquefaction, PB-239 509
  protein from, 119, 186, 254, 295, PB-222 115, PB-223 873
  sugar from, PB-221 877, PB-229 246
  See also Wood wastes
Cement-waste glass products, 261
Characteristics of solid waste. *See* Composition and analysis of solid wastes
Chemical oxygen demand in compost, 206
Chemical research in solid waste management, 134
Chemical warfare materiel wastes, 162, PB-224 586
Chemical wastes, 415, 418, 450, 475, PB-221 464-Set, PB-224 579-Set, PB-226 420, PB-244 382
  batteries industry, PB-241 204
  diseases from, 48
  in California, 175
  inorganic, 418, 453, PB-224 587, PB-224 591-PB-224 592, PB-244 382
  landfill disposal, PB-249 747
    See also Sanitary landfill—hazardous waste disposal
  ocean disposal, 130, 162, 192
  organic, 418, 516, PB-224 587, PB-224 589-PB-224 590
  polychlorinated biphenyls, guidelines for disposal, 516
  recycling and recovery, PB-224 579-Set, PB-226 420, PB-233 641
  spilled materials disposal, 506, PB-243 386
  See also Hazardous wastes; Industrial wastes
Cheyenne, Wyoming, solid waste management system, PB-234 612
Chilton County, Alabama, sanitary landfill, 220, 238, 291, 311
Chlorine wastes, PB-244 382
Chromate from pigment manufacturing, PB-233 641
Chromium wastes, PB-224 585, PB-241 204
Cities' role in solid waste management, 331
Citizen action
  League of Women Voters publications, 259, 303
  Mission 5000, 280
  recycling, 159, 273, 296, 303, 446
  See also Public participation in solid waste management
Clark County, Arkansas, solid waste management system, 479, PB-243 029
Classification systems for hazardous substances, 464, 489, 512
Clay industry wastes, PB-221 464, PB-221 467, PB-238 819
Clean Air Act classification of pollutants, 489
Clearinghouse for industrial wastes, 453
Collection, 30, 37-38, 65, 94, 146-147, 390, 409, 424
  accounting systems, 153, 182
  airport solid wastes, PB-219 372
  bagging, 60, 248, 270, 390, PB-212 590
  beverage container guidelines (proposed), 463
  bibliographies, 35-36
  case studies:
    Akron, Ohio, 423
    Allegheny County and Pittsburgh, PB-234 612
    Arbuckle Regional Development Authority, Oklahoma, PB-234 612
    Baldwin County, Alabama, PB-234 612
    Baltimore, PB-228 161
    California, 175
    Cheyenne, Wyoming, PB-234 612
    Clark County, Arkansas, 479, PB-243 029
    Dallas, PB-234 140
    Des Moines, 6, 249

Collection (continued)
- case studies:
  - Fresno, California, PB-234 141
  - Genesee County, Michigan, 52
  - Humboldt County, California, 174, PB-240 365
  - Jacksonville, Florida, PB-234 139
  - Kansas City, PB-234 068
  - Kentucky, 181
  - Memphis, PB-234 612, PB-234 713
  - Middletown, Ohio, PB-234 945
  - Minneapolis, PB-234 612
  - New Orleans, 94
  - Oregon, 168
  - Sacramento County, California, PB-234 612
  - San Jose, California, PB-240 395
  - Seattle, PB-234 612
  - Tolleson, Arizona, PB-239 196
  - Washington, D.C., 191
  - Wichita, PB-233 878
  - Wichita Falls, Texas, 311
- commercial, 472
- comparison of different systems, 423, 434, 436
- computer planning. *See under* Collection–management and planning
- costs, 65,142, 167, 228, 298, 347, 353, 390, 400, 436, 440-441, 466, 526, PB-239 917, PB-241 468
  - litter control, 455
  - user charges. *See* User charges for collection and disposal
- crews, 65, 298, 441, 466, 472, PB-239 917
  - film. *See Portrait of the San-Man* in Films section of catalog
  - incentive systems, 436, PB-239 917
  - training and safety. *See Operation Responsible* in Training programs section of catalog
- decisionmaking and games. *See* Decisionmaking and games
- DISCUS. *See* DISCUS
- effect of household compactors, PB-234 605
- equipment. *See* Equipment, refuse handling–collection
- facilities, commercial, 472
- Federal grants for studies, 121
- films. *See The Big Pickup, The Green Box*, and *Portrait of the San-Man* in Films section of catalog
- filmscripts 270, 272
- guidelines, 454, 504
- hydraulic transport through sewers, PB-229 256
- in Germany, 59
- in high-rise buildings, 292, PB-197 623, PB-213 133, PB-213 135
- in hospitals, PB-213 133, PB-213 135, PB-236 543
- in low-income areas, 242
- in recreation areas, 167
- in residential complexes, 248
- in rural areas, 255, 271-272, 342, 390, 479, PB-212 398, PB-240 365, PB-243 029
- litter, 455
- management and planning, 331, 409, 423, 434, 436, 441, 466, PB-213 308, PB-231 309, PB-239 195-PB-239 196, PB-240 365
  - computer planning, 123, 147, 166, 283, 370-371, 389, PB-239 117, PB-239 494, PB-239 895-Set, PB-239 917
  - mathematical models, 65, 123, 147, 166, 283, PB-208 154, PB-231 309, PB-239 117, PB-239 494
- mechanized, 220, 311, PB-239 195-PB-239 196, PB-241 468
- pipeline (pneumatic), 30, 84, 120, PB-223 162, PB-229 256, PB-236 543
- productivity, 436, 440-441, 466
  - effects of bagging, 60

Collection (continued)
- public demand, PB-225 020
- role of private sector, [illegible]6
- routing, 356, 441, 472, PB-239 895-Set
  - heuristic, 356, 409, 472, PB-239 117, PB-239 494
- safety and health of workers. *See* Safety and health of solid waste personnel
- satellite vehicle systems, 262, PB-197 931
- separate. *See* Newspaper, separate collection; Source separation
- standards and guidelines, 454
- transfer stations, 182, 337, PB-213 511, PB-227 075
- wet systems, PB-234 496, PB-234 499, PB-236 085

Collection Management Information System (COLMIS), 347, 389
- user's manual, 370-371

Colorado solid waste management system, PB-234 612
- Planning Region No. 10 (Montrose, Colorado), 423

Coloring book on solid waste disposal, 335
- Spanish language version, 430

Combustion power unit-400, PB-187 299

Commercial solid wastes
- generation, 240, 293 443, 445
  - *See also* Management and planning–case studies
- *See also* Collection; Generation; Management and planning; Storage

Compaction of solid waste, 248, 252, 292, 339, 390, PB-214 960
- Atlanta household compactor demonstration project, PB-234 605
- *See also* Baling and balefills; Crushing solid waste; Shredding; Size reduction

Composition and analysis of solid wastes, 4, 22, 125, 133, 143, 170, 235, 252, 388, PB-220 479, PB-231 203
- agricultural wastes, PB-222 454
- air classification of solid wastes, 102, 256
- aluminum, PB-208 674
- and corrosion in municipal incinerators, PB-238 747
- beverage containers, 326
- carbon, 193
- commercial wastes, 443, 445
- compost, 158, 212, 488
- European wastes, 59
- food wastes, 443, 445
- fungal protein, 312
- glass, 445, PB-208 674
- household wastes, 443, 445
- hydrogen, 193
- incinerator residue, 154, PB-222 458
- industrial wastes, PB-239 119
- institutional solid wastes, 237
- landfill decomposition gases, PB-213 487, PB-218 672, PB-234 930-PB-234 931
- livestock wastes, PB-222 337
- metal, 443, 445, PB-208 674
- paper, 445, PB-208 674
- partial oxidation products, 154
- pesticides, PB-222 165
- plant residue in soil, PB-222 113
- plastics, 324, 445, PB-208 674
  - combustion products, PB-222 001
- rubber, 443, 445, PB-208 674
- sample size, 97
- selenium, 148
- sewage sludge, 229, PB-222 396
- textiles, 443, 445
- wastewater sludge, PB-222 396
- wood, 443, 445

Composting, 3, 8, 9, 21-22, 30, 52, 55, 89, 142-143, 145, 212, PB-222 422, PB-225 160

Composting (continued)
  air classification of compost, 256
  and ecology, 322
  cellulose degradation in, 126, 205, 488, PB-215 722
  chemical oxygen demand measurement, 206
  compost plant dust studies, PB-222 160
  concepts in America, 169, 321
  costs, 22, 55, 89, 144, 212, 488, PB-187 311, PB-222 710, PB-225 160
  dairy manure, PB-233 441
  decomposition, 204
  economics, 1, 212, 321, 488, PB-187 311, PB-222 710, PB-225 160
  effects on field and garden crops, 488, PB-236 402
  equipment, 61
  Federal projects, 121
    Gainesville, Florida, plant, 30, PB-187 311, PB-222 710
    Johnson City, Tennessee, project, 8-9, 15, 30, 74, 190, 212, 488
  in Europe, 21-22, 55, 59, 89, 142, 212
  in the Middle East, 212
  markets for compost, 30, 55, 89, 120, 212
  parasites in compost, 224
  pesticide residues in compost, 29
  pH characteristics of compost, 158
  poultry manure, 82
  processing by air classification, 102
  selenium in compost, 148
  sewage sludge, 115, 144-145, 229, 484, PB-236 402, PB-245 271
    Johnson City, Tennessee, project, 8-9, 15, 74, 212, 254, 488
  speech by Russell Train, 476
  U.S. EPA/Tennessee Valley Authority Project, 8, 9, 15, 30, 190, 212, 254, 488
Compression of solid waste. *See* Size reduction of solid waste
Concrete industry wastes, PB-221 464, PB-221 467, PB-238 819
Conference of Institute of Solid Wastes Management (1974), speech by H. L. Hickman, Jr., 395
Conference on Waste Reduction (1975), 461
Conferences. *See* Proceedings
Construction wastes, generation, 443
  See also Management and planning–case studies
Consumer attitudes. *See* Public opinion on refuse problems
Consumer Product Safety Commission classification of hazardous substances, 489
Consumer research in packaging, 261
Consumer role. *See* Public participation in solid waste management
Containers. *See* Equipment, refuse handling–collection containers; Packaging and containers
Contracts
  for commercial refuse collection, 472
  for resource recovery plants, 470, 480, 495-496
  Office of Solid Waste Management Programs, 42, 76, 85, 98, 121, 469
  with electric utilities to burn refuse, 467
Control laboratory for District of Columbia incinerator, 62
Cook County, Illinois, ski mountain, PB-213 697
Copper, recycling and recovery, 491, PB-212 729
Corrosion-deposition phenomena on gas turbine blades in refuse-fueled power plants, PB-221 095
Corrosion in incinerators, PB-213 378, PB-221 851, PB-238 747
Corrugated (recycled)markets, 465
Costs of solid waste management, 107, 178, 390
  air classification of solid wastes, 102
  baling, 69, 252, 390, PB-247 185
  collection. *See* Collection–costs

Costs of solid waste management (continued)
  composting. *See* Composting–costs
  hauling and land spreading of sewage sludge, PB-227 005
  hazardous waste disposal, 345, 506, PB-241 204, PB-244 382
  in New York State, 233
  in recreation areas, 167
  incineration, 114
  ocean disposal, 157, 192
  paper manufacture with secondary fiber, PB-250 798, PB-250 802, PB-250 905
  producing methane from solid waste and sewage sludge, 458
  refuse as fuel in electric utility plants, 467
  resource recovery plants, 180, 321, 352-353, 388, 417, 431, 442, 448, 471, 480, 482, PB-243 634
  salvaging operations, 293, 296, 333
  sanitary landfills, 178, 321, 475, 479, PB-249 747
  separate collection of paper, 381, 400, 486
  size reduction equipment at District of Columbia plant, 62
  speech by Russell Train, 525
  spills of oil and hazardous wastes, 506
  See also Accounting systems for solid waste management; Financing solid waste systems; *also under* Management and planning–case studies; Sanitary landfill
Council on Environmental Quality, 129
Course schedule, solid waste management training (1971-1972), 208
County government's role in solid waste management, 373
CPU-400, PB-187 299
Crankcase oil, waste, PB-237 618-PB-237 620
Crop residue decomposition in soil, PB-222 113
Crushing solid waste, PB-225 159
  See also Compaction of solid waste; Shredding; Size reduction
Cyanide wastes, PB-224 584

D

Dade County, Florida, proposed beverage container legislation, 461
Dairy manure, PB-225 160, PB-233 441
  See also Livestock wastes
Dallas solid waste management system, PB-234 140
DARE, 101, 226
Data Acquisition and Analysis Program (DAAP) for collection data, 434, PB-239 917
Debris accumulation in ancient and modern cities, 404
Decision Alternative Ration Evaluation. *See* DARE
Decision-Makers Guide in Solid Waste Management, 390, 394
Decision trees in solid wastes planning, 10
Decisionmaking and games, 101, 338, 390, 394, PB-213 482
  DARE, 101, 226
  Decision trees, 10
  DISCUS, 137
  facilities selection, mathematical models, 219
  PERT, 135
Decomposition of compost, 204
Definition of hazardous substances, 464, 489, 512
DeKalb County, Georgia, solid waste management system, PB-234 612
Demonstration grants. *See* Federal grants for solid waste management
Denver solid waste management system, PB-234 612
Department of Transportation classification of hazardous substances, 489
Des Moines solid waste management system, 6, 249, 311, PB-233 873, PB-234 612

Design of packaging and containers, proceedings of a conference, 261
Deterrents to recycling. *See* Disincentives to recycling
Detroit solid waste management system, PB-236 662
Developments, disposal, 3, 110, 267, 274
  See also Incineration; Ocean disposal; Sanitary landfill
Dialysis for separation of hazardous wastes, PB-224 583
Directories
  recycled paper sources, 343
  recycling projects, 341
DISCUS, a solid waste management game, 137
Disease
  among waste collection workers, 426
  relationship to solid waste, 48
  See also Public health aspects of solid waste management; Safety and health of solid waste personnel
Disincentives to recycling, 330, 353, 424
Disposal. *See* Incineration; Management and planning; Ocean disposal; Sanitary landfill
District of Columbia. *See* Washington, D.C.
Drinking water standards, pesticide residues, 489
Drug industry wastes, PB-221 464, PB-221 466, PB-225 333, PB-238 819
Dumping, 156, 290, 424
  and water pollution, 411, 435
  Arkadelphia City Dump, Arkansas, PB-243 029
  film. *See A Day at the Dump* in Films section of catalog
  in California, 175
  Mission 5000, 265, 280
    flyer, 202
    poster, 203
  reconnaissance of sites by plane and auto, 277

E

East Peoria, Illinois, solid waste management system, 423
Eastern Appalachia Health Region solid waste system, 323
Eco Pak milk carton, 447, 461
Economics of solid waste management, 103, 178, PB-187 712, PB-213 394, PB-239 631
  asphalt-glass aggregate as paving, 261
  collection, 400
  composting and compost plants. *See* Composting–economics
  effects of:
    beverage container laws, 456, 459
    pricing mechanisms, PB-239 116
    reduced energy consumption, 461
  El Cajon pyrolysis facility (proposed), 442
  hazardous waste disposal, 345
  hospital systems, PB-221 681
  impact of beverage container laws, 325, 353, 456, 461-462, 487
  incineration, 114
  inorganic chemicals industry, PB-244 382
  Lee County, Mississippi, project, PB-241 468
  methane production from solid waste, 458
  oil re-refining industry, PB-237 620
  paper manufacture with secondary fiber, PB-250 798, PB-250 802, PB-250 905
  paving with waste glass, PB-242 536
  public utility concept, 160-161, PB-225 332
  recycling, 225, 331, PB-223 034, PB-239 631
  refuse as fuel, 264, 378, 467
  resource recovery, 62, 91, 180, 321, 491, PB-245 674, PB-245 924
  sanitary landfill, PB-245 924
  sewage sludge treatment plants and landspreading, PB-222 000, PB-245 271
  tire retreading, PB-243 028

Economics of solid waste management (continued)
  wastewater sludge disposal, PB-244 311
  See also Costs of solid waste management; Financing solid waste systems; Markets for recycled and recovered materials
Efficiency in solid waste collection. *See* Productivity in solid waste management
El Cajon, California, pyrolysis facility (proposed), 442
Electricity from solid waste, 264, 321, 378, 388, 401, 431, PB-214 166
Electrodialysis for separation of hazardous wastes, PB-224 583
Energy conservation, 378, 503
  and Federal use of retreaded tires, PB-243 028
  and waste reduction, 461
  speech by Arsen Darnay, 364
  speech by Thomas F. Williams, 360
  with resource recovery, 353, 448
  with returnable beverage containers, 326, 378, 405, PB-213 341
Energy recovery from waste, 321, 329, 357-358, 390, 424, 441, PB-231 176
  Ames, Iowa, solid waste system, 467
  economics, 321
  effect on wastepaper markets, 465
  El Cajon facility (proposed), 442
  EPA press briefing (1974), 359
  Federal demonstration grants, 30, 311, 334, 388
    Baltimore gas pyrolysis facility, 353, 388, 417, 431
    San Diego pyrolysis process, 353, 388, 417, 442
    St. Louis plant, 180, 234, 264, 311, 353, 387-388, 396, 412, 421, 467
    Wilmington, Delaware, facility, 353
  forecasts for 1972 to 1990, PB-245 924
  fuels from waste, 264, 329, 401, 417, 442, 448, 453, 503, PB-222 694, PB-239 509
  markets and technology, 264, 401, 448, 458, 467
  methane from solid waste, sewage sludge, and sanitary landfills, 448, 458
  Monroe County, New York, resource recovery plant, 467
  refuse-fueled power plants. *See* Steam and electricity from solid wastes
  speech by Sheldon Meyers, 526
  speech by Russell Train, 460
  steam and electricity from solid wastes, 7, 62, 180, 264, 321, 378, 388, 401, 431, 467, 503, PB-214 166
  tires as fuel, PB-234 602
  wastepaper as fuel, 420
Enforcement of solid waste regulations, 253, 327, 330-331, 345, 419, 455, 457, PB-201 205
Engineers, role in solid waste management, 227
Environmental health. *See* Public health aspects of solid waste disposal
Environmental protection, 112, 306, 379
  effects of:
    Franklin, Ohio, plant, PB-245 674
    garbage grinders, 13
    hazardous wastes, 450, 452
    packaging and containers, 261, 332, 405
    plastic refuse disposal, PB-238 654
    resource recovery and source reduction, 352-353, 448
    resource recovery facilities, 44[illegible]
    San Diego pyrolysis plant, [illegible]
    waste automotive crankcase [illegible], EPA studies, PB-237 618
  exhibits. *See Protect the Good Earth* in Exhibits section of catalog
  film. *See The Third Pollution* in Films section of catalog
  speeches by:
    Arsen J. Darnay, 364, 380, 413

Environmental protection (continued)
  speeches by:
    Sheldon Meyers, 526
    Russell Train, 460
    Thomas F. Williams, 31[illegible], 360
  See also Air pollution; Water pollution
Environmental Protection Agency press briefing on solid waste management and energy (1974), 35[illegible]
Environmentalists, views, 461, 515
Equalization basins for sewage sludge treatment plants, PB-222 000
Equipment, 1, 248, PB-228 161
  collection, 65, 298, 311, 436, 441, 455, 472, PB-233 878, PB-234 068, PB-234 139-PB-234 141, PB-234 713, PB-234 945, PB-239 195, PB-239 917, PB-240 365, PB-241 468
    container trains, 311
    containers, 59, 167, 436, 441, 455, PB-240 365, PB-241 468, PB-243 029
    fleet selection, 251
  composting, 61
  sampler for microorganisms in incinerator stack emissions, 15[illegible]
  sanitary landfill, 47, 287, 291, 305, PB-212 589
  shredders, 402, 433, PB-245 672
  size reduction, 114, PB-226 551
Erie County-Torrax Solid Waste Demonstration Project, 311
Estimation of solid waste characteristics and volume. *See* Generation of solid waste
European solid waste management, 3, 21-22, 55, 89, 142, 212
Evaluation of:
  Franklin, Ohio, plant, PB-245 674
  St. Louis resource recovery plant, PB-243 634
Explosives, 345, PB-221 464, PB-221 466, PB-224 586
Exports (wastepaper), effects on domestic markets, 397

F

Facilities for disposal of hazardous wastes, 468
Federal Food, Drug, and Cosmetic Act classification of hazardous substances, 489
Federal grants for solid waste management, 18-19, 31, 41, 80-81
  demonstration grants, 16, 18-19, 25, 30-31, 41-42, 66, 71, 76, 81, 98, 108-109, 121, 197, 220, 260
    abstracts, 78
    application for a chemical waste landfill facility, PB-249 747
    resource recovery. *See* Resource recovery–Federal demonstration grants
  regulations, 19, 221
  research and training grants, 16, 31, 41-42, 67, 72, 76, 81, 98
  State planning grants, *See* State solid waste management–planning grants
Federal information activities in solid waste management, 318
Federal-local cooperation in solid waste management, 423
Federal policies on:
  resource recovery, 171, 334, 353, 357, 380, 490
  solid waste disposal, PB-222 467
  virgin and secondary materials use, 353, 357, PB-239 736
  waste lubricating oil disposal, PB-237 618, PB-237 620
Federal procurement practices and solid waste reduction, 490, PB-2[illegible] 467, PB-229 727, PB-241 729
  guidelines for products containing recycled materials, 490
  lubricating oils and re-refined oils, PB-237 618, PB-237 620
Federal programs
  affecting solid waste generation and recycling, PB-213 311
Federal programs (continued)
  hazardous waste management, 399, 512
  solid waste management, 250, 395
  waste oil research, PB-237 618
  See also Office of Solid Waste Management Programs–program
Federal Register guidelines and regulations
  beverage containers, 463
  grants for disposal and resource recovery, 19, 221
  pesticides, 328, 376, 398
  polychlorinated biphenyl wastes, 516
  procurement of secondary materials products by the Federal Government, 490
  resource recovery and source separation, 473
  resource recovery facilities in Federal agencies, 490
  storage and collection, 454, 504
  thermal processing and land disposal, 385
Federal research and training grants, 16, 30-31, 41-42, 67, 71, 76, 81, 98, 190, 260
Federal role in solid waste management, 56, 141, 197, 215, 306, 331, 380, 424, 441
  and the packaging industry, 246, 456, 461
  hazardous wastes, 345
  in paper recycling, 511
  in waste reduction, 461, 500
  speech by Ralph J. Black, 31
  speech by Sheldon Meyers, 526
  use of retreaded passenger tires, PB-243 028
Federal solid waste disposal practices
  guidelines for collection and storage, 454, 504
  in the Washington area, 30
Federal subsidies for resource recovery, PB-222 467, PB-234 602, PB-239 736
Federal Water Pollution Control Act criteria for hazardous substances, 489
Feed from waste. *See* Nutrients from waste
Ferrous metals, recycling, 352, PB-208 674, PB-212 729, PB-213 577, PB-223 034, PB-229 816-PB-229 817
  Franklin, Ohio, project, 408, PB-213 646
  St. Louis project, 264
Fertilizer consumption and production in the United States, 484
Fibrous wastes. *See* Cellulose wastes; Wood wastes
Film scripts, 265-272, 288
Films on solid waste management, 207, 349
  flyers, 70, 209-211, 214, 485, 502
  See also Films section of catalog
Financing solid waste systems, 103, 132, 188, 306, 342, 390, PB-213 482, PB-228 161, PB-233 878, PB-234 068, PB-234 139-PB-234 141, PB-234 612, PB-234 713, PB-234 945, PB-240 365, PB-243 029
  chemical waste landfill, PB-249 747
  cities' roles, 331
  electric companies using solid waste as fuel, 467
  public utility concept, 160-161, PB-225 332
  resource recovery plants, 448, 471, 480, 482
  rural, 342, PB-240 365
  States' roles, 327
  See also Management and planning–case studies; User charges for collection and disposal
Fires in municipal solid wastes, 444
Flash pyrolysis system for municipal solid waste, 417
Flies in poultry manure, 82
  See also Insects and rodents in solid waste
Flyers for solid waste management films, 70, 209-211, 214, 485, 502
Food industry wastes, 198, 461, PB-219 019, PB-221 464, PB-221 466
Food packaging, 261
  See also Beverage containers; Packaging and containers

- Food waste, generation, 175, 443, 445
- Forecasts of resource recovery, PB-245 924
- Forsyth County, North Carolina, solid waste management system, PB-225 296
- Franklin, Ohio, waste processing complex, 220, 309, 353, 388, 408, 421, 528, PB-213 646, PB-234 715-PB-234 716
  - evaluation, PB-245 674
- Fresno, California, solid waste management system, 84, PB-234 141
- Fuel conservation in solid waste management, 407
- Fuel oil from solid waste, 388, 401, 417, 442, 528
  - cellulose liquefaction, PB-239 509
  - from waste rubber, PB-222 694
- Fuel, refuse as, 264, 311, 321, 378, 387-388, 396, 401, 420, 431, 503, 528, PB-187 299, PB-214 166, PB-220 316, PB-234 602, PB-239 392, PB-240 723
  - EPA/Edison Electric Institute meeting (1975), 467
  - specifications for recovered organics, PB-242 540
  - *See also* Energy recovery from waste; St. Louis solid waste plant; Wilmington material and energy recovery facility; Baltimore gas pyrolysis; San Diego pyrolysis project

G

- Gainesville, Florida, composting plant, PB-187 311, PB-222 710
  - refuse shredders, 402
- Garrett pyrolysis system, 321, 353, 417, 442, 448
- Gas migration barrier for sanitary landfills, PB-239 357
- Gas (industrial) wastes, PB-244 382
- Gas pyrolysis, 321
  - Baltimore facility, 353, 388, 417, 431, 528
- Gases (decomposition) in sanitary landfill, 11, 47, 223, 245, 287, 305, 391, 448, 458, PB-196 148, PB-209 001-PB-209 002, PB-213 487, PB-218 672, PB-230 379, PB-234 930-PB-234 931, PB-239 778
  - methane as fuel, 448, 458
  - migration and migration barrier, PB-239 357
- Generation of solid waste, 44, 56, 58, 170, 178, 183, 235, 293, 388, 443, 445, 448, 498, 500, 526, PB-213 311, PB-222 467, PB-239 117, PB-239 494, PB-239 631, PB-243 366
  - and land use, 247
  - bulky refuse, PB-228 119
  - commercial, 240, 293, 443, 445
    - *See also* Management and planning–case studies
  - construction, 443
    - *See also* Management and planning–case studies
  - effects of air and water pollution controls, PB-238 819
  - hazardous wastes, PB-222 467, PB-224 593
    - chemical wastes, 453, PB-226 420, PB-249 747
  - highway litter, 455
  - household, 235, 443, 445
    - *See also* Management and planning–case studies
  - in institutions, 237
  - in low-income areas, 242
  - in recreation areas, 167
  - industrial, 240, 293, 443, PB-238 819, PB-239 631
    - effects of pollution controls, PB-238 819
  - institutional wastes, 443, 445
  - livestock wastes, 484
  - mapped for the United States, 149
  - per capita, 56, 58, 120, 234, 241, 443, 445
  - plastics, 443, 445, PB-243 366
  - sewage sludge, 484
  - wastepaper, 443, 445, PB-250 798
  - *See also* Management and planning–case studies; Source reduction
- Genesee County, Michigan, solid waste system, 52
- Georgia solid waste disposal, 49
- German solid waste management, 59
- Glass, 261
  - containers. *See* Beverage containers; Packaging and containers
  - generation of waste glass, 443, 445
  - industrial wastes, PB-221 464, PB-221 467
  - Oregon's Minimum Deposit Act, 325, 396, 421, 461-462
  - recycling and recovery, 225, 308, 352-353, 442, 448, 491, PB-208 674, PB-241 729
    - as cement products, 261
    - as urban paving, 431, PB-222 052, PB-242 536
    - economics, 321
    - effects of:
      - Federal procurement policies on use of recycled glass, PB-241 729
      - taxes on use of recycled glass, PB-240 988
    - Federal subsidies, PB-239 736
    - forecasts for 1972 to 1990, PB-245 924
    - impact of design changes, 261
    - markets, 293, 448, PB-245 924
    - specifications for recovered cullet, PB-242 540
  - separate collection, 261
  - transportation rates for virgin and secondary materials, PB-233 871
  - water-disposable, 236
  - *See also* Packaging and containers
- Glossary, solid waste management, 279
- Government role in solid waste management. *See* Federal role in solid waste management; State solid waste management–roles; *also under* Management and planning
- Grants. *See* Federal grants for solid waste management
- Grass clippings, anaerobic digestion, 178
- Great Falls, Montana, solid waste management plan, PB-234 612
- Grinding
  - garbage, effects on sewage system, 13
  - Madison, Wisconsin, project, 220
  - *See also* Shredding
- Groundwater pollution. *See* Water pollution
- Guidelines. *See Federal Register* guidelines and regulations; Regulations for solid waste management; Standards and guidelines
- Guides for:
  - decisionmakers in solid waste management, 390, 394
  - hazardous waste transportation control, 512
  - municipal officials for resource recovery plants, 470-471, 480, 482, 493, 495-496

H

- Handbooks for public officials for resource recovery, 470-471, 480, 482, 493
- Harrisburg, Pennsylvania, solid waste management system, PB-234 612
- Hazardous wastes, 450, 452, PB-221 646-Set, PB-224 579-Set, PB-225 164, PB-233 630-PB-233 631
  - bibliographies, 475, PB-224 595
  - biological treatment, PB-224 583
  - chemicals. *See* Chemical wastes
  - classification systems for hazardous substances, 464, 489, 512
  - clearinghouse for industrial wastes, 453
  - composition and analysis, PB-224 580
  - costs of disposal, 345, 475, PB-226 420, PB-241 204
  - disposal facilities in the United States, 429, 468, 506, PB-226 420
  - Federal program, 399
  - film. *See Hazardous Wastes, the Gross National Byproduct* in Films section of catalog
  - film flyer, 502

- Hazardous wastes (continued)
  - generation, 453. PB-221 464, PB-222 467, PB-224 593, PB-226 420
  - health effects and toxicity data, PB-221 464-PB-221 465, PB-221 467, PB-224 581
  - incineration, 418, 427, 475, PB-224 582
  - landfill disposal, 415, 453, 475, 506, PB-221 464-Set, PB-224 579-Set, PB-226 420, PB-241 204, PB-249 747
    - damage reports, 449, 494, PB-249 747
  - legislation, 345
  - ocean dumping, 157, 162, 192, 489, PB-224 582
  - pesticides. *See* Pesticides
  - public attitudes towards disposal facilities, PB-223 638
  - pyrolysis, PB-224 582
  - recommended exposure levels, PB-224 581
  - recycling and recovery, PB-224 579-Set, PB-226 420
  - reduction and neutralization, PB-224 579
  - report to Congress by EPA, 345
  - research and development plans, PB-224 594
  - slide show. *See Hazardous Wastes, the Gross National Byproduct* in Films section of catalog
  - speech by Sheldon Meyers, 526
  - spilled wastes disposal, 506, PB-243 386
  - State management activities, 457
    - transportation control, 512
  - surveys by States, 464
  - transportation control, 512
  - treatment processes, 475, 506, PB-221 464, PB-224 579-Set, PB-249 747
  - *See also* Chemical industry wastes; Hospital wastes; Industrial solid wastes; Radioactive wastes; individual substances; e.g., Arsenic; Cyanide wastes; Polychlorinated biphenyls
- Health of solid waste personnel. *See* Safety and health of solid waste personnel; *also* Public health aspects of solid waste disposal
- Heuristic routing in solid waste collection, 356, 409, 472, PB-239 899
- High-rise buildings, collection and disposal systems, 292, PB-197 623
- History of solid waste management, 404
  - Solid Waste Disposal Act, 260, 410
- Hospital solid wastes, 73, 79, 300-301, 406, PB-213 133, PB-213 135, PB-221 464, PB-221 467, PB-222 018, PB-227 708
  - economics, PB-221 681
  - pneumatic collection systems in hospitals, PB-236 543
  - Washington, D.C., system, 191
- Hot Springs, Arkansas, solid waste management system, 423, PB-234 612
- Household refuse, 45, PB-236 904
  - *See also* Collection; Generation of solid waste–household wastes; Management and planning–case studies
- Houston, Texas, solid waste management system, PB-225 299
- Humboldt County, California, collection container system, 174, PB-240 365
- Humor, 131
- Humphreys County, Tennessee, solid waste management system, 255
- Hydraulic transport of refuse through sewers, PB-229 256
- Hydrogen content of solid wastes, 193
- Hydrogenation process for utilizing waste rubber, PB-222 694
- Hydrogeology of sanitary landfill, 90, 223, 287, PB-236 462-PB-236 463

I

- Idaho solid waste management system, PB-234 612
- Illinois, hydrogeology of solid waste disposal sites, 90
- Implementation of resource recovery plants, 448, 470-471, 480, 482
- Incentive systems for collection crews, 436, PB-239 917
- Incentives for recycling and waste reduction, 330, 352, 500
  - taxes on packaging and containers, 246, 261, 353, 424, 437
- Incentives for resource recovery, 331, 357, PB-239 736
  - tire recycling and reuse, PB-234 602
- Incineration, 3, 33, 114, 154, 385, 390
  - accounting system, 111
  - bacteria destruction, 88
  - bulky refuse, PB-221 731
  - centralized system for hospitals in the Minneapolis-St. Paul area, PB-221 681
  - economics, 114
  - Erie County-Torrax Solid Waste Demonstration Project, 311
  - Federal grants for studies, 121
  - guidelines, 385
  - hazardous wastes, 427, 475, PB-224 582
  - hospital wastes, 73
  - in Germany, 59
  - in Oakland County, Michigan, 117
  - management and planning, PB-222 467
  - plastics, PB-222 001, PB-223 651
  - Quad-City regional project, 33
  - sewage sludge, 6, 154
  - shipborne, PB-221 684
  - technologies, 30
  - tires, PB-234 602
  - versus sanitary landfill, 75
  - *See also* Management and planning–case studies; Partial oxidation; Pyrolysis
- Incinerators
  - corrosion, PB-213 378, PB-221 851, PB-238 747
  - design and operation, 75, 122, 368, PB-223 626
    - District of Columbia studies, 62, PB-187 286
  - emissions, 62, 148, 213, 292, 368, 412
    - portable sampler, 151
  - evaluation, 14, 200
  - guidelines, 122
  - high-temperature vortex incinerator, PB-240 723
  - mineral recovery from residue, 491
  - quench water pathogens, 184
  - refuse-fueled, 412, PB-214 166, PB-240 723
  - residue analysis, 148, 154, PB-222 458
  - residue marketability, PB-222 588
- Industrial gas wastes, PB-244 382
- Industrial solid wastes, 104, 278, 526, PB-222 419
  - animal processing, 20
  - batteries industries, PB-241 204
  - chemical, 175, 475, 506, PB-226 420, PB-238 819, PB-333 641
  - classification systems, PB-239 119
  - clay, PB-221 464, PB-221 467, PB-238 819
  - clearinghouse, 453
  - concrete, PB-221 464, PB-221 467, PB-238 819
  - drug, PB-221 464, PB-221 466, PB-225 333
  - fabricated metal products, PB-221 464, PB-221 467
  - food, 175, 198, 461, PB-219 019, PB-221 464, PB-221 466
  - generation. *See* Generation–industrial wastes; Management and planning–case studies; *also under* State solid waste management–plans
  - glass, PB-221 464, PB-221 467
  - leather, PB-221 464, PB-221 467
  - lumber, 175
  - mining. *See* Mining wastes
  - National Conference on Management and Disposal of Residues from the Treatment of Industrial Wastewaters (1975), 453

- Industrial solid wastes (continued)
  - nonferrous smelting and refining, PB-238 819
  - ocean disposal, 130, 162, 192
  - paper, PB-221 464, PB-221 466, PB-238 819
  - petroleum, 175, PB-221 464, PB-221 467
  - polychlorinated biphenyls, guidelines 516
  - power utilities, PB-221 464, PB-221 467
  - steel, PB-221 464, PB-221 467, PB-238 819
  - stone, PB-221 464, PB-221 467
  - surveys, 121, 139
  - textile, PB-221 464, PB-221 466
- Industry
  - effects of beverage container deposit laws, 325, 461-462, 487
  - role in solid waste management, 179, 246, 340, 345, 380, 422, 424
  - views on:
    - conservation, 515
    - waste reduction, 461
- Information retrieval services, Office of Solid Waste Management Programs, 294
- Infrared sensor for refuse sorting, PB-229 901
- Inglewood, California, bagging study, PB-212 590
- Injuries among solid waste personnel, 32, 48, 426, 477-478, 481, PB-247 566-PB-247 567
- Injury Reporting and Information System. *See* IRIS (Injury Reporting and Information System)
- Insects and rodents in solid waste, 20, 32, 48, 82, 292, 444, PB-225 160
- Institutional solid wastes, PB-223 345
  - *See also* Collection; Generation; Hospital solid wastes; Management and planning; Storage
- Intergovernmental approaches to solid waste management. *See* Regional solid waste management
- International Congress (3d), International Research Group on Refuse Disposal (1965), 43
- International Paper Company Eco Pak milk carton, 447, 461
- International Research Group on Refuse Disposal, 21-22, 89, 142-145
- Interstate solid waste management. *See* Regional solid waste management
- Investment decisions in solid waste management. *See* Financing solid waste systems
- Ion exchange process for:
  - recovery of chromate from pigment manufacturing, PB-233 641
  - separation of hazardous wastes, PB-224 583
- IRIS (Injury Reporting and Information System) for solid waste management, 477-478, 481, PB-247 566-PB-247 567
- Iron, scrap–influence of transportation costs on use of, PB-229 816-PB-229 817
  - markets. *See* Markets for ferrous scrap
  - *See also* Metals

J

- Jacksonville, Florida, solid waste management system, PB-234 139
- Japanese solid waste management, 3
- Jefferson County, Kentucky, solid waste demonstration project, 125
- Johnson City, Tennessee, composting project, 8, 9, 15, 74, 212, 254, 488
- Jon Thomas, cool cat, 299

K

- Kansas City, Missouri, solid waste management system, PB-234 068, PB-234 612
- Kansas, film on solid waste management in.
  - *See The Phoenix* in Films section of catalog
- Keep America Beautiful, Inc., antilitter campaign, 318
- Kentucky solid waste management plan, 181, PB-201 205
- Knoxville solid waste management system, PB-234 612
- KUKA "Shark" collection vehicle, 311

L

- Labor views on waste reduction, 461
- Laboratory (control) for District of Columbia incinerator, 62
- Land availability for composting and disposal of solid waste, 484
- Land burial of hazardous wastes, PB-224 582
- Land disposal. *See* Dumping; Sanitary landfill
- Land pollution, 71, 175, 339
  - speech by Sheldon Meyers, 526
  - *See also* Dumping; Environmental protection; Packaging and containers–environmental impacts; Water pollution–by dumps; Water pollution–by landfills
- Land protection. *See* Environmental protection
- Land reclamation by accelerated stabilization, 54, PB-187 301
- Land use, 30, 84, 247, 339, 484, PB-218 672
- Landfill. *See* Sanitary landfill
- "Landgard" pyrolysis system, 417, 431
- Latah County, Idaho, solid waste management system, 423
- Leachates, 11, 90, 223, 245, 287, 435, PB-209 001-PB-209 002, PB-218 672, PB-222 468, PB-224 996, PB-230 379, PB-234 930-PB-234 931, PB-236 462-PB-236 463, PB-239 778, PB-249 747
  - from sewage sludge in landfills, 391, PB-225 360-Set
  - prediction by water balance method, 483
  - *See also* Water pollution–by landfills
- Lead wastes, PB-241 204
  - recycling, PB-212 729
- League of Women Voters
  - publications, 259, 296, 302-303, 456
  - views on waste reduction, 461
- Leather
  - generation of waste leather, 443, 445
  - industry wastes, PB-221 464, PB-221 467
- Lee County, Mississippi, solid waste disposal project, PB-241 468
- Legislation, 306, 327, 345, PB-225 332
  - antilitter, 455
  - authority for solid waste agencies
    - Des Moines Metropolitan Area Solid Waste Agency, 249, 311, PB-233 873
    - Washington Metropolitan Area, 30
  - beverage container, 448, 461
    - statement by John Quarles, Jr., before the Subcommittee on the Environment (1974), 459
  - Federal, 171, 175, 330-331, 345, 526
    - packaging and containers, 246, 459
    - Resource Recovery Act (1970), 241, 246
    - Solid Waste Disposal Act, 171, 410
    - toxic chemicals, 415
  - local, 183, 253
    - suggested, 419
  - ocean dumping, 130, 157, 192
  - recycling, 296
  - State, 64, 183, 327, 331, 345
    - California, 175
    - hazardous wastes, 453
    - Kentucky, 181, PB-210 205
    - Minnesota, PB-249 747
    - New York, 233
    - solid waste management and resource recovery incentives act (proposed), 377
    - toxic chemicals, 415
  - Washington, D.C., 191

- Levulinic acid from cellulose wastes, PB-229 246
- Lime sludges, PB-222 354
- Liners, sanitary landfill, 428, 475
- Literature surveys. *See* Bibliographies on solid waste management
- Litter, 40, 159, 318
  - beverage container content, 326
  - costs, 455
  - Highway Litter Study (1974), 455
  - impact of beverage container laws, 325, 461, 487
  - plastics, PB-238 654
- Little Rock, Arkansas, solid waste management system, 423
- Livestock wastes, 297
  - anaerobic digestion, 178
  - dairy manure, PB-225 160, PB-233 441
  - film on Kansas feed-lot wastes. *See The Phoenix* in Films section of catalog
  - generation, 484
  - pathogen content, PB-222 337
  - poultry manure, 82, PB-221 171, PB-223 430
  - public health hazards, 20
  - swine wastes, PB-221 621
- Local government role in solid waste management, 175, 306, 327, 331, 336, 373, 419, 424, 441, 511
- Locational models for disposal facilities, 173, 178
- Los Angeles County solid waste management system, 30, 120
- Louisville, Kentucky-Indiana regional solid waste disposal study, 125
- Lowell, Massachusetts, resource recovery facility, 353, 491
- Lubricating oil. *See* Oil, lubricating
- Lumber industry wastes, generation in California, 175
- Lynn, Massachusetts, energy recovery plant, PB-214 960

M

- Madison, Wisconsin
  - milled refuse project, 57, 220, 311, PB-234 930-PB-234 931
  - separate newspaper collection program, 400
- Malden, Massachusetts, solid waste management system, PB-234 612
- Management and planning, 2, 5, 53, 110, 120, 304
  - accounting systems, 86, 111, 153, 176, 182, 451
  - Bureau of Solid Waste Management
    - intramural research, 165
    - planning grants. *See* State solid waste management–planning grants
  - case studies:
    - Akron, Ohio, 423
    - Allegheny County and Pittsburgh, PB-234 612
    - Arbuckle Regional Development Authority, Oklahoma, PB-234 612
    - Atlanta, PB-234 612
    - Baldwin County, Alabama, PB-234 612
    - Baltimore, PB-228 161
    - Braintree, Massachusetts, PB-234 612
    - Brevard County, Florida, PB-234 612
    - Brookhaven, New York, PB-234 612
    - Broward County, Florida, PB-234 612
    - California, 175
    - Cascade County, Montana, 118
    - Chilton County, Alabama, 238
    - Clark County, Arkansas, 479, PB-243 029
    - Colorado, 423, PB-234 612
    - Dallas, PB-234 140
    - DeKalb County, Georgia, PB-234 612
    - Denver, PB-234 612
    - Des Moines, 6, 249, 311, PB-233 873, PB-234 612
    - Detroit, PB-236 662
    - East Peoria, Illinois, 423

- Management and planning (continued)
  - case studies:
    - Forsyth County, North Carolina, PB-225 296
    - Fresno, California, 84, PB-234 141
    - Genesee County, Michigan, 52
    - Great Falls, Montana, PB-234 612
    - Harrisburg, Pennsylvania, PB-234 612
    - Hot Springs, Arkansas, 423, PB-234 612
    - Houston, PB-225 299
    - Humphreys County, Tennessee, 255
    - Idaho, PB-234 612
    - Jacksonville, Florida, PB-234 139
    - Jefferson County, Kentucky, 125
    - Kansas City, Missouri, PB-234 068, PB-234 612
    - Kentucky, 181
    - Knoxville, PB-234 612
    - Latah County, Idaho, 423
    - Little Rock, Arkansas, 423
    - Louisville, Kentucky-Indiana metropolitan region, 125
    - Malden, Massachusetts, PB-234 612
    - Memphis, PB-234 713, PB-234 612
    - Middletown, Ohio, PB-234 945
    - Minneapolis, PB-234 612
    - Nashville, PB-234 612
    - New Orleans, 94, PB-234 612
    - New York City, PB-234 612
    - New York State, 233
    - Oakland County, Michigan, 117
    - Omaha-Council Bluffs solid waste management plan, 183
    - Orange County, Florida, PB-234 612
    - Oregon, 168
    - Port of Tacoma, Washington, PB-226 042
    - Portland, Maine, 423
    - Portland, Oregon, PB-234 612
    - Sacramento County, California, PB-234 612
    - San Diego County, PB-234 612
    - San Jose, California, PB-240 395
    - Saugus, Massachusetts, PB-234 612
    - Seattle, PB-234 612
    - Southeastern Oakland County (Michigan) Incinerator Authority, 423, PB-234 612
    - St. Louis, PB-234 612
    - Tampa, Florida, PB-225 291
    - Tolleson, Arizona, PB-239 196
    - Ventura County, California, PB-234 612
    - Vermont, PB-234 612
    - Washington, D.C., 30, 191, 271
    - Washington State, PB-234 612
    - Weber County, Utah, PB-234 612
    - Wichita, PB-233 878
    - Wyoming, PB-234 612
  - cities' role, 331
  - collection. *See* Collection–management and planning
  - COLMIS (Collection Management Information System), 347, 370-371, 389
  - county government's role, 373
  - *Decision-Makers Guide in Solid Waste Management,* 390, 394
  - decisionmaking and games. *See* Decisionmaking and games
  - developments, 116
  - economics, PB-187 712, PB-213 394, PB-221 681, PB-239 116, PB-239 631, PB-241 468
  - Federal-local cooperation, 423
  - Federal planning grants. *See* State solid waste management–planning grants
  - Federal role, 56, 197, 306, 345, 424, 441
  - films. *See The Stuff We Throw Away* and *What's New in Solid Waste Management* in Films section of catalog

Management and planning (continued)
- financing. *See* Financing solid waste systems
- in Europe, 3, 21-22, 55, 59, 89, 142, 212
- in high-rise buildings, 248, 300-301, PB-213 133, PB-213 135
- in Japan, 3
- in recreational areas, 40, 167, 284
- in residential complexes, 248
- in rural areas. *See* Rural solid waste management
- in the food processing industry, PB-219 019
- in the pulp and paper industry, PB-234 944
- institutional, 237
  - hospital solid waste systems, 191, 300-301, 406, PB-213 133, PB-213 135, PB-221 681
- intergovernmental approaches. *See* Regional solid waste management
- land use planning and solid waste generation, 247, PB-218 672
- local, 306, 331, 336, 373, 419, 424, 441
- mathematical analysis, 95, 99, 283, 338, PB-231 309
  - models, 103, 173, 178, PB-231 309
    - aerobic digestion of waste organic sludges, PB-222 029
    - collection, 123, 147, 166, 283, PB-208 154
    - decisionmaking, 219, 338
    - financing solid waste systems, 103
    - generation of wastes, 178
    - locating disposal facilities, 173, 178, 219
    - post aeration of sewage sludges, PB-222 031
    - wastewater sludge treatment plant, PB-222 396
- National Academy of Engineering-National Academy of Sciences report, 112
- PERT method, 135
- predicting:
  - amounts of combustible solid wastes, PB-222 467
  - solid waste characteristics, 235
  - *See also* Composition and analysis of solid wastes; Generation of solid waste
- President's message on the environment (1970), 129
- private and public roles, 345-346, 380, 390
- productivity, 60, 306, 320, 466
- public utility concept. *See* Public utility concept in solid waste management
- regional approaches. *See* Regional solid waste management
- speech by H. L. Hickman, Jr., 234
- State:
  - activities, 457
  - agencies, 393
  - roles, 124, 194, 306, 327, 345, 383, 424, 455
- systems analysis, 3, 84, 99, 112, 120, 128, 135-136, 173, 178, PB-222 995

Manual separation of solid waste. *See* Source separation

Map of the United States reflecting quantities of solid waste generated, 149

MARC landfill project, 339

Marine disposal of solid wastes. *See* Ocean disposal

Marine Protection, Research, and Sanctuaries Act criteria for ocean dumping of hazardous substances, 489

Markets for:
- compost, 30, 55, 89, 120, 212
- energy recovered from waste, 401, 466
- ferrous metals, 114, 293, 491, PB-245 924
- recycled and recovered materials, 119, 225, 293, 321, 353, 438, 448, 466, 480, 491
  - aluminum, 293, 491, PB-245 924
  - forecasts for 1972 to 1990, PB-245 924
  - glass, 293, 491, PB-245 924

Markets for: (continued)
- recycled and recovered materials
  - wastepaper, 293, 397, 408, 420, 438, 448, 465, 486, 511, PB-245 924, PB-250 798, PB-250 802, PB-250 905
  - yeast from organic wastes, 91
- *See also* Salvaging and salvage markets

Materials recovery. *See* Resource recovery

Mathematical models. *See* Management and planning–mathematical analysis–models

Meat processing plant wastes, 20

Melt-Zit high-temperature incinerator, 14

Memphis solid waste management system, PB-234 612, PB-234 713

Mercury wastes, PB-224 585, PB-241 204

Metal mining wastes, PB-221 464, PB-221 466

Metal products industry wastes, PB-221 464, PB-221 467

Metals
- ferrous, 261, 311, 352, 431, 491, PB-208 674, PB-213 577, PB-213 646, PB-223 034, PB-234 715, PB-239 736, PB-241 729, PB-242 540, PB-245 924
- generation of waste metals, 443, 445
- nonferrous, 102, 256, 352, 491, PB-212 729, PB-221 464, PB-221 467, PB-241 204, PB-242 540
- recycling and recovery, 114, 256, 261, 264, 311, 352, 408, 431, 442, 491, PB-208 674, PB-212 729, PB-213 577, PB-213 646, PB-223 034, PB-234 715-PB-234 716, PB-241 729
  - economics, 321
  - effect of Federal procurement policies on use of recycled metals, PB-241 729
  - Federal subsidies, PB-239 736
  - forecasts for 1972 to 1990, PB-245 924
  - markets. *See* Markets for recycled and recovered materials
  - separation by air classification, 102
  - specifications for recovered metals, PB-242 540
- salvage and recycled metal markets, 114, 293, 438, 491, PB-245 924
- *See also* Automobile disposal; Steel, scrap; specific metals

Methane
- as fuel from:
  - sanitary landfills, 378, 448
  - solid waste and sewage sludge, 458
  - *See also* Gases (decomposition) in sanitary landfill; Sanitary landfill–end uses

Microorganisms in incinerator stack emissions, portable sampler, 151

Microorganisms in waste degradation. *See* Composting

Middletown, Ohio, solid waste management system, PB-234 945

Milling of solid wastes. *See* Shredding and baling

Mine spoil, soil and water pollution, PB-237 525

Mineral fillers from water-softening process sludge, PB-224 820

Mineral recovery from incinerator residues, 491

Minneapolis solid waste management system, PB-234 612

Mining wastes
- soil and water pollution, PB-237 525
- uranium, PB-238 819

Mission 5000, 265, 280
- flyer, 202
- poster, 201

Monroe County, New York, resource recovery plant, 467

Mt. Trashmore, PB-225 346
- film. *See Mt. Trashmore* in Films section of catalog

Municipal wastes. *See* Collection; Generation; Management and planning; Resource recovery

N

- Nashville solid waste management system, PB-234 612
- National Academy of Sciences classification of hazardous substances, 489
- National Cancer Institute classification of hazardous substances, 489
- National Commission on Productivity, 440-441
- National Conference on Management and Disposal of Residues from the Treatment of Industrial Wastewaters (1975), 453
- National Conference on Packaging Wastes (1969), 172
- National Industrial Pollution Control Council, 129
- National Institute of Occupational Safety and Health classification of hazardous substances, 489
- National Solid Wastes Management Association, 141
- National Survey of Community Solid Waste Practices (1968), 26, 28, 98, 113, 216-218, 260, 443
- Natural resources. *See* Energy conservation; Land use; Resource conservation
- New Orleans solid waste management system, 94, PB-234 612
- New York City solid waste management system, PB-234 612
- New York State solid waste management system, 233
- Newspaper
  - anaerobic digestion, 178
  - recycling and recovery
    - markets, 465
      - *See also* Markets for wastepaper
    - specifications for recovered newsprint, PB-242 540
  - separate collection, 381, 400, 420-421, 486
- Nickel and stinless steel, PB-212 729
- Nitrite-accelerated photochemical degradation of cellulose for microbiological conversion to protein, PB-222 115
- Nonferrous metals, 102, 256, PB-212 729, PB-241 204, PB-242 540
  - industry wastes, PB-221 464, PB-221 467
  - recycling, 352, 491
  - *See also* specific metals
- Nutrients from waste, PB-221 171, PB-222 115, PB-222 454, PB-223 343, PB-223 625, PB-223 873
  - agricultural wastes, PB-222 454
  - fibrous wastes, PB-223 625
  - protein from:
    - cellulose, 295, PB-222 115, PB-223 625, PB-223 873
    - poultry manure, PB-221 171
  - yeast, 91, 254

O

- Oakland, California, metropolitan region study, 178
- Oakland County, Michigan, refuse disposal system, 117
- Ocean disposal, 130, 140, 157, 162, 192, PB-221 684
  - hazardous wastes, 489, PB-224 582
- Oceanside, California, solid waste management system, PB-225 360-PB-225 362
- Office of Pesticide Programs classification of hazardous substances, 489
- Office of Solid Waste Management Programs, 41, 108-109, 119
  - contract research, 42, 85, 98, 108, 121, 469
  - demonstration grants. *See* Federal grants for solid waste management–demonstration grants
  - funding, 112, 276
  - organization, 260, 263
  - program, 250, 276, 395
  - publications, 203
  - regional representatives, 439

Office of Solid Waste Management Programs (continued)

  - schedule of courses in solid waste management (1971-1972), 208
  - technical assistance activities, 16, 30, 68, 260
- Oil (fuel) from solid waste, 321, 401, 417, PB-222 694
- Oil, lubricating, 390, PB-237 618-PB-237 620
  - evaluation and testing, PB-237 620
- Oil re-refining industry, economics of, PB-237 620
- Oil, waste, 390, 418
  - disposal by individual consumers, PB-237 619
  - ocean disposal, 130, 162, 192
  - processing facility design, PB-242 461
  - recovery and recycling, PB-235 857, PB-237 618-PB-237 620, PB-243 222
  - spills, 506
- Omaha-Council Bluffs solid waste management plan, 183
- Onondaga County Solid Waste Disposal Authority shredding facilities, PB-245 672
- Operations research, 99
  - *See also* Management and planning–mathematical analysis; Management and planning–systems analysis
- Orange County, Florida, solid waste management system, PB-224 996, PB-234 612, PB-236 462-PB-236 463
- Oregon's bottle bill (Minimum Deposit Act), 325, 396, 421, 461
- Oregon's solid waste management plan, 168
- Organization chart for Office of Solid Waste Management Programs (1972), 263
- Organizations and associations in resource recovery, 470
- Oxidation
  - accelerated, in sanitary landfill, 54
  - ponds for disposal of hazardous wastes, PB-224 583
- Oxidation (partial) of organic solid wastes. *See* Pyrolysis

P

- Packaging and containers, 3, 27, 44, 172, 243, 353, 358
  - beverage containers. *See* Beverage containers
  - Conference on Waste Reduction (1975), 461
  - energy and resource consumption, 352-353, 405, 456, 461, 515, PB-245 924
  - environmental impacts, 332, PB-238 654
  - forecasts of resource recovery for 1972 to 1990, PB-245 924
  - glass, 261, 325
    - water-disposable, 236
  - government regulatory and fiscal policies, 437
  - legislation, 246
    - Oregon's Minimum Deposit Act, 325, 396, 421, 461-462
    - Vermont beverage container law, 462, 487
  - paper, plastic-coated, 261
  - pesticides, PB-202 202
  - plastic, recycling, 261
  - plastics, biodegradability, 199, 324, PB-213 488
  - Proceedings of the Solid Waste Resources Conference on Design of Consumer Containers for Re-use or Disposal (1971), 261
  - recycling, 261, 353, 448
  - source reduction, 246, 353, 421-422, 424, 437, 456
    - Eco Pak milk carton, 447, 461
    - Red Owl Stores program, 416
    - role of indsutry, 107, 246, 422, 448, 456
  - speeches by:
    - Arsen J. Darnay, 364
    - Sheldon Meyers, 526
    - Thomas F. Williams, 515
  - taxes on 246, 353, 424, 437
  - tin cans, 261, 448, PB-208 674, PB-223 034
  - *See also* Glass; Plastics

- Paper
  - as fuel, 420, 465
    - *See also* Fuel, refuse as
  - costs of wastepaper, 465, PB-250 798, PB-250 802
  - directory of recycled paper sources, 343
  - exports of wastepaper, effects on domestic markets, 397, 465
  - generation of wastepaper, 443, 445, PB-250 798
  - influence of raw material transportation costs on use of recycled paper, PB-229 816-PB-229 817
  - markets for wastepaper, 293, 397, 408, 420, 448
  - recycling and recovery, 170, 225, 256, 311, 352-353, 381, 408, 413, 420, 448, 465, 505, PB-208 674, PB-212 729, PB-213 646, PB-234 715-PB-234 716
    - citizen action, 446
    - economics, 321
    - EPA intramural program, 507
    - Federal subsidies, 311, PB-239 736
    - forecasts for 1972 to 1990, PB-245 924
    - Franklin, Ohio, project, 309, PB-213 646
    - incentives, 357
    - markets for wastepaper. *See* Markets for recycled and recovered materials–wastepaper
    - packaging and containers, 261
    - separation by air classification, 102
    - taxes affecting recycled paper use, PB-240 988
  - refuse sacks, 248, 270, 390, PB-212 590
  - selenium in wastepaper, 148
  - source separation, 381, 390, 400, 421, 486, PB-239 775-PB-239 776
    - Federal guidelines, 473
  - specifications for recovered corrugated paper and newsprint, PB-242 540
  - transportation rates for virgin and secondary materials, PB-233 871
- Paper industry
  - effects of pollution controls on solid waste generation, PB-238 819
  - solid waste management practices, PB-234 944
  - wastes, PB-221 464, PB-221 466
- Papermill sludge landfill, PB-239 618, PB-239 869
- Parasites in compost, 224
- Partial oxidation of organic solid wastes, 154
- Patents (abstracts)
  - international, 319
  - refuse handling facilties for buildings, 1
  - United States, 317
- Pathogens in incinerator residue, 73, 88, 184
- Paving with waste glass, PB-222 052, PB-242 536
- PERT (Program Evaluation and Review Technique) method for solid waste management, 135
- Pesticides, 29, 345, 506, PB-202 202, PB-224 584
  - containers, PB-202 202
  - drinking water standards, 489
  - from wood waste, PB-222 051
  - regulations for disposal and storage, 376, 398, PB-244 557
  - residues in solid waste, 29, PB-222 165
  - water contamination from, 415
- Petroleum industry wastes, 175, PB-221 464, PB-221 467
- Phosphates from lime sludges, PB-222 354
- Photosynthetic reclamation of agricultural solid wastes, PB-222 454
- Phytotoxins in crop residues in soil, PB-222 113
- Pigment (inorganic) wastes, PB-244 382
- Pipeline collection of solid waste, 30, 84, 120, PB-223 162, PB-229 256, PB-236 543
- Pittsburgh solid waste management system, PB-234 612
- Planning grants. *See* State solid waste management–planning grants
- Plant residue decomposition in soil, PB-222 113
- Plastic refuse sacks, 60, 248, 390, PB-212 590
- Plastics, 199, 244, 324, PB-221 464, PB-221 466
  - biodegradability, 199, 324, PB-213 488
  - effects of refuse on the environment, PB-238 654
  - generation of waste plastics, 443, 445, PB-243 366
  - incineration, 100, PB-223 651
    - products, PB-222 001
  - industry, role in waste management, 179, 340
  - recycling and recovery, 222, 316, 352-353, PB-208 674, PB-214 045, PB-243 366
    - forecasts for 1972 to 1990, PB-245 924
    - taxes affecting use of recycled plastic, PB-240 988
  - salvage markets, 293
  - *See also* Packaging and containers
- Pneumatic pipeline collection of solid waste. *See* Pipeline collection of solid waste
- Pocket calculator for sanitary landfills, 351
- Poisoning incidents from chemical wastes, 415, 449-450, 474, 494
- Pollution. *See* Air pollution; Water pollution
- Polychlorinated biphenyl wastes, disposal guidelines, 516
- Port of Tacoma, Washington, solid waste management study, PB-226 042
- Portland, Maine, solid waste management system, 423
- Portland, Oregon, solid waste management system, PB-234 612
- Post aeration of sewage sludges, PB-222 031
- Posters
  - Mission 5000, 201
  - *Waste Not, Want Not*, 313
    - Spanish language version, 392
- Poultry manure, 82, PB-221 171, PB-222 148, PB-223 430
- Power plants, refuse-fueled, 387, PB-187 299, PB-220 316, PB-221 095
- Power utilities wastes, PB-221 464, PB-221 467
- Precious metals, recycling, PB-212 729
- Prediction of quantity and characteristics of solid waste. *See* Generation of solid waste
- President's message on the environment (1970), 129
- Pricing mechanisms in solid waste management, PB-239 116
- Private Sector Collection Survey (1971), 443
- Private sector, role in solid waste management, 107, 141, 246, 340, 345, 380, 422, 424
- Problem-solving in solid waste management, 423
- Proceedings:
  - Ad hoc conference on solid waste training (1964), 72
  - Conference of Institute of Solid Wastes Management (1974), 395
  - Conference on Waste Reduction (1975), 461
  - Environmental Protection Agency/Edison Electric Institute Meeting (1975), 467
  - 3d International Congress, International Research Group on Refuse Disposal (1965), 43
  - International Research Group on Refuse Disposal, 21-22, 89, 142-145
  - National Conference on Management and Disposal of Residues from the Treatment of Industrial Wastewaters (1975), 453
  - National Conference on Packaging Wastes (1969), 172
  - sanitary landfill conference (1972), 339
  - Solid Waste Demonstration Projects; a symposium (1971), 311
  - Solid Waste Resources Conference on Design of Consumer Containers for Re-use or Disposal (1971), 261
  - Surgeon General's Conference on Solid Waste Management for Metropolitan Washington (1967), 30

Proceedings (continued)
  Symposium of State and Interstate Solid Waste Planning Agencies (1969), 194
Procurement of:
  contractors for resource recovery plants, 480
  products containing recycled materials, by Federal agencies, 490
Product design and solid waste management, 261, 353
Productivity in solid waste management, 60, 306, 320, 436, 440-441, 466
Propellants, PB-224 586
Protein
  analysis of fungal protein produced from waste, 312
  from cellulose wastes, 119, 186, 295, 312, PB-222 115, PB-223 873
Psychology of solid waste management, 87, 138
Public affairs activities of State solid waste management agencies, 64, 457
  See also Public relations in solid waste management
Public health aspects of solid waste disposal, 20, 23, 32, 48, 80, 128, 155, 175, 226, 444
Public information, 64, 138, 261, 457, 472, PB-249 747
Public opinion on refuse problems, 87, 315, 344, 372, PB-213 340, PB-223 638
  hazardous waste facilities, PB-223 638
  mechanization of collection, PB-239 196
  purchase of recycled oil, PB-237 619
  recycling, 315, 344
  salvage, 293
  sanitary landfills, 466, PB-239 631
  waste reduction, 461
Public participation in solid waste management, 138, 159, 261, 266, 313-314, 318, 392, 424, 446, 461
  films. *See The Phoenix* and *The Village Green* in Films section of catalog
  in rural areas, 273, 342
  information kit. *See Concerned Citizens* in Information Kits section of catalog
  recycling, 273, 344, 403, 446
  See also Citizen action
Public regulation concept in solid waste management, PB-225 332
Public relations in solid waste management, 64, 138, 261, 457, 472, PB-249 747
Public utility concept in solid waste management, 160-161, PB-225 332
  Omaha-Council Bluffs solid waste management plan, 183
"Purox" pyrolysis system, 417
Pyrolysis, 154, 178, 321, 329, 352, 417, 431
  Baltimore gas pyrolysis facility, 353, 388, 417, 431, 528
  El Cajon facility (proposed), 442
  hazardous wastes, 427, PB-224 582
  San Diego project, 321, 353, 417, 442, 448, 528
  PB-222 015 sewage sludge, 154
  tires, PB-234 602

Q

Quad-City regional project, 33
Quarterly Safety Management Report, 477-478

R

Radioactive wastes, 162, 233, 345, PB-221 464, PB-221 467, PB-224 588
Rail transport of solid wastes, 252, 339, PB-187 306, PB-222 709
Railroad freight car demolition, 95
Rat infestation of municipal solid waste, 155, 444
Reconnaissance for dumps by plane and auto, 277
Recreation areas, solid waste management, 40, 167, 284
Recycled materials. *See* Secondary materials
Recycling, 96, 286, 307, 311, 330, 396, PB-212 729
  and air classification of wastes, 256
  centers, PB-239 766
    directory, 341
    film. *See The Village Green* in Films section of catalog
  citizen action, 159, 273, 296, 303
    film. *See The Village Green* in Films section of catalog
  directory of recycling projects, 341
  economics, 225, 331, PB-223 034, PB-239 631
  effects of Federal programs, 296, PB-213 311
  energy savings with, 352-353, 448
  films. *See The Realities of Recycling* and *Recycling* in Films section of catalog
  filmscript, 268
  highway litter, 455
  information kits. *See Resource Recovery* in Information Kits section of catalog
  legislation, 296
  markets for recycled materials. *See* Markets for recycled and recovered materials
  packaging and containers, 261, 353, 448
    See also Beverage containers
  public opinion, 315, 344
  public participation, 273, 344, 403, 446
  separate collection of recyclable wastes, 381, 390, 400, 421, 486, PB-239 775-PB-239 776
  See also under specific materials; e.g., Aluminum; Bark waste; Glass; Paper; Textiles; *also* Packaging and containers; Resource recovery; Salvaging and salvage markets
Red Owl Stores source reduction program, 416, 461
Referendum on proposed Dade County, Florida, beverage container legislation, 461
Refuse as fuel. *See* Fuel, refuse as
Regional Office of Solid Waste Management Programs representatives, 439
Regional solid waste management, 164, 327, 331, 336, 339, 390, 423, PB-226 099, PB-231 309, PB-233 873, PB-239 631
  Allegheny County and Pittsburgh, PB-234 612
  Arbuckle Regional Development Authority, Oklahoma, PB-234 612
  Baldwin County, Alabama, PB-234 612
  Brevard County, Florida, PB-234 612
  Broward County, Florida, PB-234 612
  Colorado, PB-234 612
  DeKalb County, Georgia, PB-234 612
  Des Moines Metropolitan Area Solid Waste Agency, 249, 311, PB-233 873
  Eastern Appalachia Health Region, 323
  Fresno, California, area, 84
  Genesee County, Michigan, 52
  Idaho, PB-234 612
  Louisville, Kentucky-Indiana study, 125
  New York State, 233
  Omaha-Council Bluffs plan, 183
  Orange County, Florida, PB-234 612
  Oregon, 168
  Quad-City project, 33
  representatives, EPA, 439
  resource recovery, 431, 466, PB-239 631
  Sacramento County, California, PB-234 612
  San Diego County, California, PB-234 612
  Southeastern Oakland County Incinerator Authority, Michigan, 423, PB-234 612
  Ventura County, California, PB-234 612

Regional solid waste management (continued)
  Vermont, PB-234 612
  Washington, D.C., area, 30
  Washington State, PB-234 612
  Weber County, Utah, PB-234 612
  Wyoming, PB-234 612
Regulations for solid waste management, 306
  Federal grants for solid waste disposal projects, 19, 221
  hazardous waste transportation, 512
  Kentucky, 181
  ocean dumping, 130, 157, 192
  Oregon, 168
  solid waste public utilities by States, 161
  See also Federal Register guidelines; Legislation; Standards and guidelines
Reports to Congress by the Office of Solid Waste Management Programs
  hazardous wastes, 345
  resource recovery, 352-353, 448
Research and development in solid waste management, 98
Research and development projects (intramural) of the Federal Government in solid waste, 41-42, 165
Research and training grants. *See* Federal research and training grants
Residential solid wastes. *See* Collection; Generation of solid wastes–household wastes; Management and planning–case studies
Residuals. See Solid waste management
Resource conservation, 44, 77, 407
  and refillable beverage containers, 405
  effect of secondary materials use, 353, 448
  Senate Commerce Committee plans, 461
  speech by Arsen Darnay, Jr., 364
  speech by T. F. Williams, 515
  speech by S. Meyers,526
  speech by R. E. Train,525
  timber supply, PB-250 798, PB-250 802
  See also Energy conservation; Land use; Recycling; Resource recovery
Resource recovery, 96, 112, 119, 177, 241, 289, 306-307, 321, 350, 380, 390, 396, 421, 424, 466, PB-233 178
  Act (1970), 196
  activated carbon from refuse, 431, PB-221 172, PB-229 246
  activities, State and local, 432, 457
  alcohol from cellulose, PB-221 239
  aluminum. *See* Aluminum–recycling and recovery
  Ames, Iowa, system, 466-467
  by wet processing, 408
  carbon black from tires, PB-234 602
  chromate from pigment manufacturing, PB-233 641
  cities' roles, 331
  costs of plants, 321, 388, 448, 466
  demonstration grants. *See* Resource recovery–Federal demonstration grants
  economics, 62, 91, 180, 321, 491, PB-245 674, PB-245 924
  energy savings with, 352-353, 448
  exhibit. *See Solid Waste–A Valuable Resource* in Exhibits section of catalog
  Federal
    demonstration grants, 30, 121, 196-197, 311, 334, 353, 388,528
      Baltimore gas pyrolysis process, 353, 388, 417, 431, 528
      El Cajon facility (proposed), 442
      Franklin, Ohio, plant, 309, 311, 353, 388, 408, 421,528 PB-213 646, PB-234 715-PB-234 716, PB-245 674

Resource recovery (continued)
  Federal
    demonstration grants
      Lowell, Massachusetts, facility, 353, 388, 491
      regulations, 221
      San Diego project, 353, 388, 417, 442,528
    Somerville and Marblehead , Massachusetts,510
      St. Louis plant, 180, 234, 264, 311, 353, 387-388, 396, 412, 421, 467, 528, PB-243 634
      Wilmington, Delaware, facility, 353, 388,528
  facilities guidelines, 490
  policies, 171, 334, 353, 357, 380
  procurement, 490, PB-222 467, PB-229 727, PB-237 618, PB-237 620, PB-241 729
  solid waste management program, 395
  subsidies, PB-222 467, PB-234 602, PB-239 736
  film. *See The Phoenix* in Films section of catalog
  forecasts for 1972 to 1990, PB-245 924
  from hazardous wastes, PB-224 579
  from institutional solid wastes, 237
  from waste. *See* Fuel oil from solid waste; Fuel, refuse as
  fuels from waste. *See* Fuel oil from solid waste; Fuel, refuse as
  glass. *See* Glass–recycling and recovery
  guidelines, 473
  handbooks for public officials, 470-471, 480, 482, 493, 495-496
  information kits. *See Resource Recovery* and *Concerned Citizens* in Information Kits section of catalog
  levulinic acid from cellulose, PB-229 246
  management and planning, 466
    See also Resource recovery plants, implementation
  markets for recycled and recovered materials. *See* Markets for recycled and recovered materials
  metals. *See* Metals–recycling and recovery
  mineral fillers from water-softening process sludge, PB-224 820
  minerals from incinerator residues, 491
  Monroe, New York, plant, 467
  oil, waste, 390, PB-235 857, PB-237 618-PB-237 620
  organic feed concentrate from sludge, PB-223 343
  nutrients from waste. *See* Nutrients from waste
  organizations and associations, 470
  paper. *See* Paper–recycling and recovery
  phosphates from lime sludges, PB-222 354
  plants, implementation, 448, 470-471, 480, 482, 493
    accounting system, 493
    procuring contractors, 480, 495-496
  projects, State and local, 432, 457
  protein from:
    cellulose, 186, 295, PB-222 115, PB-223 873
    poultry manure, PB-221 171
  regional approaches, 431, 466, PB-239 631
  reports to Congress by EPA, 352-353, 448
  Resource Recovery Act (1970). 246
  secondary materials specifications, PB-242 540
  speeches by:
    Samuel Hale, Jr., 320
    H. L. Hickman, Jr., 234
    Sheldon Meyers, 526
    John Talty, 196
    Russell Train, 460, 525
    T. F. Williams, 515
  State activities, 432, 457
  State roles, 327
  statement by Arsen Darnay, Jr., before the Subcommittee on Minerals, Materials and Fuels, U.S. Senate (1973), 358

- Resource recovery (continued)
  - statements by Samuel Hale, Jr., before the Subcommittee on the Environment, U.S. Senate (1973), 357
  - sugar from cellulose, PB-221 239, PB-221 877, PB-229 246
  - systems in the United States, 470, PB-245 924
  - vs. waste reduction, 261, 461, 500, 505
  - wet processing system. *See* Franklin, Ohio, waste processing complex
  - yeast from solid wastes, 91, 254
  - *See also* Composting; Energy recovery; Recycling
- Reverse osmosis for separation of hazardous wastes, PB-224 583
- Risks in resource recovery contracts, 496
- Rock Cut Road Plant No. 1, Onondaga County, New York, PB-245 672
- Rodents in solid waste. *See* Insects and rodents in solid waste
- Routing collection vehicles, 147, 356, 409, 472, PB-239 895-Set
- Rubber, scrap
  - generation, 443, 445
  - recycling, 187, 382
    - by a hydrogenation process, PB-222 694
    - forecasts for 1972 to 1990, PB-245 924
    - taxes affecting use of recycled rubber, PB-240 988
  - salvage markets, 293
  - tires. *See* Tires
  - transportation rates for virgin and secondary materials, PB-233 871
- Rural solid waste management, 174, 255, 342, 390, 479, PB-212 398, PB-212 589, PB-240 365, PB-241 468, PB-243 029
  - aerial reconnaissance for auto dumping sites, 277
  - Chilton County, 220
  - filmscripts, 271-272

S

- Sacks, paper, 248, 270, PB-212 590
- Sacramento, California, solid waste system, 273, PB-234 612
- Safety and health of solid waste personnel, 32, 426, 472, 477-478, 481, 488, PB-247 566-PB-247 567
  - training program. *See Operation Responsible* in Training programs section of catalog
- Salvaging and salvage markets, 3, 30, 293, 296, 333, PB-212 729-PB-212 731, PB-229 220
  - *See also under* Markets for recycled and recovered materials
- Sample size in analysis of solid waste, 97
- Sampler for microorganisms in incinerator stack emissions, 151
- San Diego
  - baling study, PB-214 960
  - pyrolysis project, 353, 388, 417, 442, 528, PB-222 015
  - solid waste management system, PB-234 612
- San Francisco Bay Region forecast of solid waste generation, 178
- San Francisco International Airport solid waste and collection system, PB-219 372
- San Jose, California, solid waste system, PB-240 395
- Sanitary landfill, 12, 23, 43, 47, 114, 189, 305, 424, PB-196 148
  - accounting system, 86
  - air pollution from, 494
  - bale fills, 339, PB-214 960, PB-247 185
  - bibliographies, 46-47, 384
  - bird hazards to aircraft, 355
  - calculator, 351
  - Chilton County, Alabama, 238, 291, 311
  - Clark County, Arkansas, 479, PB-243 029
- Sanitary landfill (continued)
  - conference (1972), 339
  - costs, 47, 178, 321, 475, 479, PB-249 747
  - decomposition gases. *See* Gases (decomposition) in sanitary landfills
  - Des Moines, 6
  - design and operation, 11, 23, 90, 186, 223, 285, 287, 390, 475, PB-224 996
    - model operation agreement, 230
  - economics, PB-245 924
    - *See also* Sanitary landfill–costs
  - end uses, 11, 30, 58, 120, 285, 287, PB-218 672
    - Cook County, Illinois, ski mountain, PB-213 697
    - Kenilworth (Washington, D.C.) recreation area, 105
    - Virginia Beach amphitheater and coasting ramp, PB-225 346
      - film. *See Mt. Trashmore* in Films section of catalog
  - equipment, 47, 287, 291, 305, PB-212 589
  - Federal grants for studies, 121
  - films. *See Mt. Trashmore* and *Sanitary Landfill; One Part Earth to Four Parts Refuse* in Films section of catalog
  - film script, 288
  - Genesee County, Michigan, 52
  - Germany, 59
  - guidelines and standards, 11, 83, 230, 385, PB-218 672
  - hazardous waste disposal, 449, 453, 475, 493-494, 506, PB-221 464-Set, PB-224 582, PB-226 420, PB-241 204
  - hydrogeology, 90, 223, 287, PB-236 462-PB-236 463
  - in high water table areas, 94, PB-224 996, PB-225 346, PB-236 462-PB-236 463
  - in recreation areas, 167
  - in rural areas, 255, PB-212 589, PB-243 029
  - leachates. *See* Leachates
  - Lee County, Mississippi, PB-241 468
  - liners, 428, 475
  - Los Angeles County Sanitation District landfills, 30
  - Madison, Wisconsin, landfill, 311, PB-234 930-PB-234 931
  - MARC project, 339
  - New York State, 233
  - on abandoned strip mines, 311, 484
  - papermill sludge, PB-239 618, PB-239 869
  - public attitudes, 466, PB-239 631
  - sewage sludge disposal, 391, 484, PB-225 360-PB-225 362
  - site selection, 6, 11, 47, 90, 138, 223, 233, 305, 339, PB-236 462-PB-236 463, PB-249 747
    - hazardous wastes, 475
    - landbanking, 466
  - social effects, PB-239 631
  - speech by Russell Train, 525
  - stabilization, 54
    - Sonoma County, California, stabilization study, PB-230 379, PB-239 778
  - State activities, 457
  - water pollution. *See* Water pollution–by landfills
  - *See also* Management and planning–case studies
- Sanitation. *See* Public health aspects of solid waste disposal
- Sanitation workers
  - safety and health. *See* Safety and health of solid waste personnel
  - training. *See* Training sanitation workers
- Santa Clara, California, sanitary landfill, 54
- Satellite vehicle systems in solid waste collection, 262, PB-197 931
- Saugus, Massachusetts, solid waste management system, PB-234 612
- Schedule of courses in solid waste management training (1971-1972), 208
- Scottsdale, Arizona, mechanized collection system, 220, PB-239 195
- Scrap metals. *See* Iron, scrap; Metals; Steel, scrap

- Seattle solid waste management system, PB-234 612
- Secondary materials use
  - and resource conservation, 353, 448
  - by the Federal Government, 490, PB-237 618-PB-237 620, PB-241 729
  - environmental effects, 332, 352-353, 405, 448
  - in paper manufacture, PB-250 798, PB-250 802, PB-250 905
  - markets for secondary materials. *See* Markets for recycled and recovered materials
  - speech by Samuel Hale, Jr., 320
  - taxes affecting, 246, 353, 424, 437, PB-240 988
- Selenium in solid waste, 148
- Separate collection. *See* Newspaper, separate collection; Source separation
- Separation of solid wastes, 114, 225
  - by air classification, 102, 256
  - by Bowerman classifier, PB-208 674
  - by infrared sensor, PB-229 901
  - by reverse osmosis, PB-224 583
  - manual. *See* Source separation
- Septic tank sludge, 391, PB-225 360-PB-225 362, PB-230 379, PB-239 778
- Sewage sludge, 144-145, 390, PB-225 360-PB-225 362
  - aerobic digestion, PB-222 029, PB-222 396
  - anaerobic digestion to methane, 458
  - as compost, 21-22, 115, 144-145, 229, 484, 488, PB-236 402, PB-245 271
  - cost of hauling and land spreading, 6, PB-227 005
  - disposal into sanitary landfill, 391, PB-225 360-PB-225 362
  - generation, 484
  - incineration, 6
    - pyrolysis, 154
  - landfill, disposal, 6, 484
  - lime sludges, PB-222 354
  - methane from, 458
  - ocean disposal, 157, 192
  - post aeration, PB-222 031
  - treatment plants with upstream equalization basins, PB-222 000
  - *See also* Sludges, refuse
- Shipborne disposal, PB-221 464, PB-221 467, PB-221 684
- Shredding, 248, 252, 390, 433, PB-214 960, PB-247 185
  - Gainesville, Florida, composting plant, 402
  - Madison, Wisconsin, Project, 57, PB-234 930-PB-234 931
  - Onondaga County, New York, shredding facilities (Rock Cut Road Plant No. 1), PB-245 672
  - U.S. Environmental Protection Agency–Tennessee Valley Authority composting project, 488
- Site reconnaissance for automobile dumps by plane and auto, 277
- Site selection for disposal facilities, 173, 178
- Site selection for sanitary landfills, 6, 11, 47, 90, 138, 223, 233, 339
- Size reduction of solid wastes, 30, 110, 114, 252, 369, 390, PB-214 960
  - Buffalo, New York, crusher facility, PB-225 159
  - equipment, 114, PB-226 551
    - costs at District of Columbia plant, 62
  - in high-rise buildings, 292, PB-197 623
  - Tezuka, Japan, compression system, 69
  - *See also* Baling and balefills; Compaction of solid wastes; Shredding
- Ski mountain from sanitary landfill, PB-213 697
- Sludges
  - activated process for disposal of hazardous wastes, PB-224 583
  - aerobic digestion, PB-222 029, PB-233 441
  - battery industry, PB-241 204
- Sludges (continued)
  - economics of disposal, PB-234 498
  - in New York State, 233
  - organic feed concentrate from, PB-223 343
  - papermill sludge landfill, PB-239 618, PB-239 869
  - *See also* Dairy manure; Septic tank sludge; Sewage sludge; Wastewater sludge
- Social costs of solid waste systems, PB-221 681, PB-239 631
- Soil
  - effect of compost, 488, PB-236 402
  - pollution by mine spoil, PB-237 525
- *Solid Waste Accident Trends*, 477
- Solid Waste Demonstration Projects; Proceedings of a Symposium (1971), 311
- Solid Waste Disposal Act, 31, 171
  - amendment of 1968, report of the Committee on Public Works, 51
  - history, 410
- Solid Waste Information Retrieval System (SWIRS)
  - *Accession Bulletin*, 195
  - users' guide to thesaurus, 374
- Solid waste management. *See* Management and planning
- Solid waste processing. *See* Composting; Incineration; Pyrolysis; Size reduction
- Solid Waste Resources Conference on Design of Consumer Containers for Re-use or Disposal (1971), 261
- Solidification of hazardous solid wastes, PB-224 583
- Solvent residues, disposal, 418
- Sonoma County, California, sanitary landfill stabilization study, PB-230 379, PB-239 778
- Sorting of solid wastes. *See* Separation of solid wastes
- Source reduction, 357, 456
  - and Federal procurement practices, PB-229 727, PB-243 028
  - by taxation. *See* Taxes on packaging and containers
  - Conference on Waste Reduction (1975), 461
  - legislation, 456
  - packaging and containers, 246, 261, 353, 421-422, 437, 456, 461
    - Eco Pak milk carton, 447, 461
    - Red Owl Stores program, 416
  - reports to Congress by EPA, 352-353, 448
  - speeches by:
    - Samuel Hale, Jr., 320
    - Sheldon Meyers, 526
    - John H. Skinner, 500
    - Russell Train, 460, 525
    - T. F. Williams, 515
  - State activities, 457
  - vs. resource recovery, 261, 461, 500, 505
  - *See also* Generation of solid waste
- Source separation, 225, 310, 390, 400, **510**, PB-239 775-PB-239 776
  - glass, 261
  - guidelines:
    - beverage container, 463
    - resource recovery, 473
  - paper, 381, 400, 420-421, 486
  - speech by Sheldon Meyers, 526
  - speech by Russell Train, 525
- Southeastern Oakland County (Michigan) Incinerator Authority, 423, PB-234 612
- Specifications for recovered materials, PB-242 540
- Spills of oil and hazardous wastes, 506, PB-243 386
- Springfield, Massachusetts, wet system for collection, PB-234 499
- St. Louis:
  - waste wood and bulky refuse disposal, PB-228 119
  - solid waste plant, 234, 264, 311, 353, 387-388, 412, 421, 467, **528**, PB-234 612, PB-243 634

- Stabilization of sanitary landfills, 54, PB-230 379, PB-239 778
- Stainless steel, recycling, PB-212 729
  - *See also* Metals–recycling and recovery; Steel, scrap
- Standards and guidelines
  - beverage container, 463
  - disposal and resource recovery grants, 221
  - local government, 239
  - pesticides, 376, 398, PB-244 557
  - polychlorinated biphenyl wastes, 516
  - procurement of products containing recycled materials by the Federal Government, 490
  - resource recovery and source separation, 473
  - resource recovery facilities in Federal agencies, 490
  - sanitary landfill, 11, 83, 230, 385, PB-218 672
  - source separation, 473
  - storage and collection, 454, 504
  - toxic chemicals in water, 415
  - *See also Federal Register* guidelines and regulations; Regulations for solid waste management; Standards and guidelines
- State solid waste management:
  - activities, 432, 457, 526
  - agencies, 163, 233
    - list, 393
  - California, 175
  - Colorado, PB-234 612
  - Georgia, 49
  - Idaho, PB-234 612
  - hazardous waste
    - surveys, 464
    - transportation regulation, 512
  - planning grants, 16, 42, 64, 71, 163, 215, 260
    - regulations, 221
  - plans, 124
    - California, 175
    - Kentucky, 181
    - New York, 233
    - Oregon, 168
  - program implementation guide, 464
  - regulations for:
    - hazardous waste transportation, 512
    - land disposal of hazardous wastes, 453
    - public utilities, 169
  - roles, 80, 194, 233, 306, 327, 339, 345, 380, 383, 424, 526
    - antilitter, 455
    - in paper recycling, 511
  - surveys, 16, 64, 464
    - Georgia, 49
    - Oregon, 168
  - Vermont, PB-234 612
  - Washington, PB-234 612
  - Wyoming, PB-234 612
- State solid waste management and resource recovery incentives act (proposed), 377
- Steam and electricity from solid wastes, 7, 264, 321, 401, 431, 448, 503, PB-214 166, PB-234 602
- Steel industry wastes, PB-221 464, PB-221 467, PB-238 819
- Steel, scrap
  - influence of transportation costs on use of PB-229 816-PB-229 817, PB-233 871
  - markets. *See* Markets for ferrous metals
  - metallurgical upgrading, PB-223 740
  - recycling, 261, 311, PB-212 729
    - Federal subsidies, PB-239 736
    - taxes affecting use of recycled steel, PB-240 988
  - *See also* Automobile disposal
- Stone industry wastes, PB-221 464, PB-221 467
- Storage of solid waste, 155, 167, 444
  - household, 45
- Storage of solid waste (continued)
  - standards and guidelines, 454, 504
  - *See also* Collection
- Street cleaning, PB-239 327
- Strip mines
  - as sanitary landfill, 220, 311
  - reclamation with compost, 488
- Style guide for Office of Solid Waste Management Programs publications, 386
- Subsidies for resource recovery, PB-222 467, PB-234 602, PB-239 736
- Sugar from cellulose wastes, PB-221 239, PB-229 246
- Sulfur dioxide for production of feed concentrate from sludge, PB-223 343
- Surgeon General's Conference on Solid Waste Management for Metropolitan Washington (1967), 30
- Surveys, solid waste. *See* Industrial solid wastes–surveys; State solid waste management–surveys; *also* National Survey of Community Solid Waste Practices
- Swine wastes, PB-221 621
- SWIRS. *See* Solid Waste Information Retrieval System
- Symposium of State and Interstate Solid Waste Planning Agencies (1969), 194
- Synopsizer, sanitary landfill, 351
- Systems analysis of solid waste management, 3, 84, 99, 112, 120, 128, 135-136, 173, 178, 311, PB-222 995

T

- Tacoma, Port of, PB-226 042
- Tacoma, Washington, solid waste management system, 160
- Tampa, Florida, solid waste management system, PB-225 291
- Tannery wastes. *See* Leather
- Taxes
  - affecting secondary materials use, 246, 353, 357, 424, 437, PB-240 988
  - on packaging and containers, 246, 261, 353, 424, 437
- Technical assistance available under the Solid Waste Disposal Act, 16, 30, 68, 260
  - *See also* Federal grants for solid waste management
- *Technology and the American Economy*, 2
- Tennessee Valley Authority composting project, 8-9, 15, 74, 212, 254, 488
- Textile industry wastes, PB-221 464, PB-221 466
- Textiles
  - generation of waste, 443, 445
  - recycling, 225, 352, PB-212 729
  - salvage markets, 293
- Tezuka, Japan, refuse compression system, 69
- Thermal processing of solid waste, 345, 390
  - guidelines, 385
  - *See also* Incineration; Pyrolysis
- Third pollution. *See* Land pollution
- Timber supply, PB-250 798, PB-250 802
- Tin cans, recycling and recovery, 261, 353, 448, PB-208 674, PB-223 034, PB-245 924
  - District of Columbia plant, 62
- Tires, 390, 461
  - 100,000-mile passenger car tire, 461
  - recycling, 353, 382, PB-208 674, PB-234 602
    - by a hydrogenation process, PB-222 694, PB-234 602
    - by retreading, PB-234 602, PB-243 028
    - forecasts for 1972 to 1990, PB-245 924
    - in artificial reefs, 348, PB-234 602
    - in road dressings, PB-232 559, PB-234 602
- Tolleson, Arizona, mechanized collection system, 311, PB-239 196
- Toxicity data on hazardous wastes, PB-224 581
- Toxicology of:
  - arsenic wastes, PB-224 585

- Toxicology of: (continued)
  - cadmium wastes, PB-224 585
  - chromium wastes, PB-224 585
  - cyanide wastes, PB-224 584
  - mercury wastes, PB-224 585
  - pesticide wastes, PB-224 584
  - propellants, explosives and chemical warfare materiel, PB-224 586
- Training grants. *See* Federal grants for solid waste management–research and training grants
- Training sanitation workers, 472
  - management training courses, 208
  - *See also Operation Responsible; Safe Refuse Collection* and *Sanitary Landfill–You're the Operator* in Films section of catalog; and Training Programs section of catalog
- Transfer stations, 182, 337, 390, PB-213 511, PB-227 075
- Transport of solid waste, 30
  - in hospitals, PB-236 543
  - in New York State, 233
  - in sewage lines, 84, PB-229 256
  - *See also* Collection; Transfer stations
- Transportation of hazardous wastes, State control, 512
- Transportation rates for virgin and secondary commodities, 327, 353, 424, PB-229 816-PB-229 817, PB-233 871
- Trash. *See* Debris accumulation in ancient and modern cities; *also* Litter
- Tree waste disposal in Des Moines, 6
- Trickling filter process for disposal of hazardous wastes, PB-224 583
- TRW Systems Group classification of hazardous substances, 489

U

- Union Electric Company's Meramec and Labadie plants, 467
- Uranium mining, effects of pollution controls on solid waste generation, PB-238 819
- U.S. Coast Guard classification of hazardous substances, 489
- U.S. Department of the Army classification of hazardous substances, 489
- U.S. Department of Defense waste management, PB-221 464, PB-221 467
- U.S. Department of the Navy classification of hazardous substances, 489
- U. S. Department of Transportation
  - classification of hazardous substances, 512
- U.S. Environmental Protection Agency
  - classification of hazardous substances, 489
  - contract research, 85, 469
  - press briefing on solid waste management and energy (1974), 359
  - Office of Solid Waste Management Programs. *See* Office of Solid Waste Management Programs
  - paper recycling program, 507
  - regional solid waste management representatives, 439
  - resource recovery demonstration grants. *See* Resource recovery–Federal demonstration grants
- U.S. Environmental Protection Agency/Edison Electric Institute Meeting (1975), 467
- U.S. Environmental Protection Agency–Tennessee Valley Authority composting project, 8, 9, 15, 74, 212, 254, 488
- U.S. Public Health Service–Tennessee Valley Authority composting project. *See* U.S. Environmental Protection Agency–Tennessee Valley Authority composting project
- U.S. Solid Wastes Study Team visit to Germany (1967), 59
- University of Illinois solid waste system, 237
- Use It Again, Sam paper recycling program, 507
- User charges for collection and disposal, 6, 160-161, 188, 320, 327, 342, 390, PB-225 291, PB-233 878, PB-239 116, PB-240 365, PB-240 395
  - *See also* Management and planning–case studies
- Utility coal ash, PB-244 310, PB-244 312

V

- Vectors. *See* Insects and rodents in solid waste
- Ventura County, California, solid waste management system, PB-234 612
- Vermont
  - beverage container law, 462, 487
  - solid waste management system, PB-234 612
- Virginia Beach amphitheater and coasting ramp, PB-225 346

W

- Washington, D.C.
  - areawide conference, 30
  - incinerator studies, 62, PB-187 286
  - Kenilworth sanitary landfill, 105
  - proposed mandatory deposit law for beverage containers, 461
  - solid waste management plan, 191
- Washington State solid waste management system, PB-234 612
- *Waste Management and Control,* recommendations, 112
- Waste oil. *See* Oil, waste
- Waste reduction. *See* Source reduction
- Wastepaper. *See* Paper
- Wastewater
  - computer program for steady-state of treatment facilities, PB-234 497
  - Franklin, Ohio, treatment facility, 309
- Wastewater sludge, PB-222 396, PB-244 310-PB-244 311
  - mineral fillers from, PB-224 820
  - *See also* Sewage sludge
- Water absorption by solid wastes in landfill, 391, PB-196 148
- Water balance method for predicting leachate generation, 483
- Water-disposable glass container, 236
- Water pollution
  - by dairy manure, PB-225 160, PB-233 441
  - by dumps, 411
    - film. *See The Third Pollution* in Films section of catalog
  - by hazardous wastes, 345, 350, 352, 494
  - by landfills, 11, 47, 83, 90, 175, 245, 305, 415, 435, 460, 483, 494, 526, PB-209 001-PB-209 002, PB-218 672, PB-222 468, PB-224 996, PB-236 462-PB-236 463, PB-239 778
  - by mine spoil, PB-237 525
  - by pesticides, 415
  - by resource recovery facilities, 448
    - effects of Franklin, Ohio, plant, PB-245 674
  - by sewage sludge compost, PB-236 402
  - regulations, 415
    - effects on solid waste generation, PB-238 819
  - *See also* Leachates
- Weber County, Utah, solid waste management system, PB-234 612
- Wells Dairy Eco Pak milk carton, 447, 461
- Wet-processing of solid wastes for resource recovery, 178, 408, PB-245 674
- Wet systems for refuse collection, PB-234 496, PB-234 499, PB-236 085
- Wichita Falls, Texas, container-train collection, 311
- Wichita solid waste management system, PB-233 878

Wilmington, Delaware, material and energy recovery facility, 353, 388, 528
Winston-Salem, North Carolina, landfill gas barrier, PB-239 357
Wood resources, PB-250 798, PB-250 802
Wood waste, 293, PB-221 876
    generation, 443, 445
    reuse in controlled-release pesticides, PB-222 051
    St. Louis disposal facilities, PB-228 119
    tree waste disposal in Des Moines, 6
    See also Cellulose wastes
Workers, sanitation. *See* Sanitation workers
Wyoming solid waste management system, PB-234 612

XYZ

Yeast from solid waste, 91, 254
Zinc, PB-241 204
    recycling and recovery, 491, PB-212 729

oswmp publications

oswmp
order nos.*

1. Abstracts; selected patents on refuse handling facilities for buildings. J. A. Connolly, *ed.* Public Health Service Publication No. 1793. Washington, U.S. Government Printing Office, 1968. [320 p.]

2. Applying technology to unmet needs; report on the solid waste problem. Appendix v. 5. Technology and the American economy; report of the Commission. National Commission on Technology, Automation, and Economic Progress. Washington, U.S. Government Printing Office, 1966. 12 p.

3.‡ Can engineering cope with the debris of affluence? *Product Engineering*, 38(21):36-44, Oct. 9, 1967.

4.‡ Characteristics of municipal solid wastes. H. L. Hickman, Jr. *Scrap Age*, 26(2):305-307, Feb. 1969.

5.‡ Cities' rubbish woes grow as volume rises, dumping sites fill up. M. Gordon. *The Wall Street Journal*, Oct. 18, 1961. p. 1, 10.

6.† Collection and disposal of solid waste for the Des Moines metropolitan area; a systems engineering approach to the overall problem of solid waste management; an interim report. Henningson, Durham & Richardson, Inc. Cincinnati, U.S. Department of Health, Education, and Welfare, 1968. [324 p.]

7.† Combustion power unit-400, CPU-400; a technical abstract. Combustion Power Company, Inc. Rockville, Md., U.S. Department of Health, Education, and Welfare, 1969. 15 p. (*See* PB-187 299.)

8. Composting developments in the United States. J. S. Wiley and O.W. Kochtitzky. *Compost Science*, 6(2):5-9, Summer 1965. [Reprinted, Washington, U.S. Government Printing Office, 1968.] 5 p.

9. Concept and design of the joint U.S. Public Health Service–Tennessee Valley Authority Composting Project, Johnson City, Tennessee. J. S. Wiley, F. E. Gartrell, and H. G. Smith. [Cincinnati], U.S. Department of Health, Education, and Welfare, 1968. 14 p.

10.‡ Decision trees in solid wastes planning. A. J. Klee and G. A. Garland. *Public Works*, 99(7):74-77, July 1968.

11.† Development of construction and use criteria for sanitary landfills; an interim report. County of Los Angeles, Department of County Engineer and Engineering-Science, Inc. Cincinnati, U.S. Department of Health, Education, and Welfare, 1969. [267 p.]

12.† Do you need a sanitary landfill? [R. J. Black.] Public Health Service Publication No. 1012. Washington, U.S. Government Printing Office, 1963. [8 p.]

13.‡ Effects of garbage grinding on sewage systems and environmental sanitation. P. L. Davis and R. J. Black. *APWA Reporter*, 29(12):16-18, Dec. 1962.

14. Evaluation of the Melt-Zit high-temperature incinerator; operation test report, August 1968. E. R. Kaiser. Cincinnati, U.S. Department of Health, Education, and Welfare, 1969. [116 p.]

15. Experimental composting research and development; joint U.S. Public Health Service–Tennessee Valley Authority Composting Project, Johnson City, Tenn. Washington, U.S. Government Printing Office, 1968. 6 p. [Flyer.]

---

*See order form for OSWMP publications in back of catalog.

†Out of print; available only from EPA libraries or Government Printing Office depository libraries.

‡Available in public and university libraries.

order nos.

16.† The Federal solid waste demonstration program. D. M. Keagy. [Cincinnati], U.S. Department of Health, Education, and Welfare, [1968]. 13 p.

17.† Gainesville compost plant; an interim report. Gainesville Municipal Waste Conversion Authority, Inc. Cincinnati, U.S. Department of Health, Education, and Welfare, 1969. [345 p.] (See PB-187 311.)

18.† Grant programs under the Solid Waste Disposal Act. Environmental Protection Publication SW-8. Rockville, Md., U.S. Department of Health, Education, and Welfare, 1969. 16 p.

19.‡ Grants for solid waste disposal projects. *Federal Register,* 31(61):5180-5183, Mar. 30, 1966. Reprinted as amended June 8, 1967. 4 p.

20.† Health aspects and vector control associated with animal wastes. W. M. Decker and J. H. Steele. *In* Management of Farm Animal Wastes; Proceedings; National Symposium on Animal Waste Management, East Lansing, Mich., May 5-7, 1966. St. Joseph, Mich., American Society of Agricultural Engineers. p. 18-20.

21. International Research Group on Refuse Disposal (IRGRD); information bulletin numbers 1-12, November 1956 to September 1961. J. S. Wiley, *ed.* Washington, U.S. Government Printing Office, 1969. 308 p.

22. International Research Group on Refuse Disposal (IRGRD); information bulletin numbers 13-20, December 1961 to May 1964. J. S. Wiley, *ed.* Washington, U.S. Government Printing Office, 1969. 274 p.

23.‡ Keeping a sanitary landfill sanitary. B. F. Bjornson and M. D. Bogue. *Public Works,* 92(9):112-114, Sept. 1961.

24.† Land reclamation project; an interim report. Harza Engineering Company. Cincinnati, U.S. Department of Health, Education, and Welfare, 1968. [338 p.] (*See* PB-187 301.)

25.† A national solid wastes program. Cincinnati, U.S. Department of Health, Education, and Welfare, 1968. 9 p.

26.† The national solid wastes survey; an interim report. R. J. Black, A. J. Muhich, A. J. Klee, H. L. Hickman, Jr., and R. D. Vaughan. [Cincinnati], U.S. Department of Health, Education, and Welfare, [1968]. 53 p.

27.† Packaging and solid waste management. R. D. Vaughan. [Cincinnati], U.S. Department of Health, Education, and Welfare, [1968]. 11 p. (‡*Scrap Age,* (12):143, 150, 155, Dec. 1968.)

28. Preliminary data analysis; 1968 national survey of community solid waste practices. A. J. Muhich, A. J. Klee, and P. W. Britton. Public Health Service Publication No. 1867. Washington, U.S. Government Printing Office, 1968. 483 p.

29.† Preliminary estimate of the significance of pesticide residues in solid wastes and problems of reduction or elimination of these residues. E. P. Floyd and A. W. Breidenbach. [Cincinnati], U.S. Department of Health, Education, and Welfare, [1968]. 6 p.

30. Proceedings; the Surgeon General's Conference on Solid Waste Management for Metropolitan Washington, July 19-20, 1967. L. Weaver, *ed.* Public Health Service Publication No. 1729. Washington, U.S. Government Printing Office. 194 p.

---

†Out of print; available only from EPA libraries or Government Printing Office depository libraries.

‡Available in public and university libraries.

order nos.

31.† Progress under the Federal solid wastes program. R. J. Black. [Cincinnati], U.S. Department of Health, Education, and Welfare, [1968]. 10 p.

32.‡ The public health aspects of solid waste disposal. R. J. Anderson. *Public Health Reports,* 79(2):93-96, Feb. 1964.

33.† Quad-City solid wastes project; an interim report, June 1, 1966 to May 31, 1967. Cincinnati, U.S. Department of Health, Education, and Welfare, 1968. [181 p.]

34.† Rail transport of solid wastes, a feasibility study; interim report: phase one. American Public Works Association Research Foundation. Cincinnati, U.S. Department of Health, Education, and Welfare, 1969. 168 p. (*See* PB-187 306.)

35. Refuse collection and disposal; an annotated bibliography, 1954-1955. L. Weaver. Public Health Service Publication No. 91, Suppl. B. Washington, U.S. Government Printing Office, 1956. 32 p.

36. Refuse collection and disposal; an annotated bibliography, 1956-1957. E. R. Williams. Public Health Service Publication No. 91, Suppl. C. Washington, U.S. Government Printing Office, 1958. 48 p.

37. Refuse collection and disposal; an annotated bibliography, 1958-1959. E. R. Williams and R. J. Black. Public Health Service Publication No. 91, Suppl. D. Washington, U.S. Government Printing Office, 1961. 73 p.

38. Refuse collection and disposal; an annotated bibliography, 1960-1961. rev. ed. R. J. Black and P. L. Davis. Public Health Service Publication No. 91, Suppl. E. Washington, U.S. Government Printing Office, 1966. 69 p.

39. Refuse collection and disposal; an annotated bibliography, 1962-1963. R. J. Black, J. B. Wheeler, and W. G. Henderson. Public Health Service Publication No. 91, Suppl. F. Washington, U.S. Government Printing Office, 1966. 134 p.

40. Refuse and litter control in recreation areas. L. Weaver. *Public Works,* 98(4):126-128,160, Apr. 1967. Reprinted, Washington, U.S. Government Printing Office, 1967. 4 p.

41.† Research activities of the solid wastes program of the Public Health Service. A. W. Breidenbach. [Cincinnati], U.S. Department of Health, Education, and Welfare, [1968]. 16 p.

42.† Review of the national solid wastes program. T. W. Bendixen. [Cincinnati], U.S. Department of Health, Education, and Welfare, [1967]. 15 p.

43.† A review of sanitary landfilling practices in the United States. R. J. Black. *In* Proceedings; 3d International Congress, International Research Group on Refuse Disposal, Trento (Italy), May 24-29, 1965. [Rome, Temi Press.] p. 40-47. [Published in English, German, French, and Italian editions.]

44. The role of packaging in solid waste management, 1966 to 1976. A Darnay and W. E. Franklin. Public Health Service Publication No. 1855. Washington, U.S. Government Printing Office, 1969. 205 p.

45.† Safe and sanitary home refuse storage. [R. J. Black.] Public Health Service Publication No. 183. Washington, U. S. Government Printing Office. Revised 1962, 1968. 6 p. [Flyer].

46.† Sanitary landfill; a bibliography. R. L. Steiner and R. Kantz. Public Health Service Publication No. 1819. Washington, U.S. Government Printing Office, 1968. 37 p.

---

†Out of print; available only from EPA libraries or Government Printing Office depository libraries.
‡Available in public and university libraries.

47. Sanitary landfill facts. 2d ed. T. J. Sorg and H. L. Hickman, Jr. Public Health Service Publication No. 1792. Washington, U.S. Government Printing Office, 1970. 30 p.

48.† Solid waste/disease relationships; a literature survey. T. G. Hanks. Public Health Service Publication No. 999-UIH-6. Washington, U.S. Government Printing Office, 1967. 179 p.

49.‡ Solid waste disposal; a new area of pollution. D. Bogue and R. J. Boston. *Georgia Municipal Journal,* 18(2):14-15, Feb. 1968.

50.† The Solid Waste Disposal Act; Title II of Public Law 89-272, 89th Cong., S. 306, October 20, 1965. Washington, U.S. Government Printing Office, 1966. (*See* 171.)

51.† Solid Waste Disposal Act Amendment of 1968; report of the Committee on Public Works, United States Senate, to accompany S. 3201, 90th Cong., 2d sess., Report No. 1447. Washington, U.S. Government Printing Office, 1968. 33 p.

52.† Solid waste disposal study; technical report; Genesee County, Michigan, June 1968. Cincinnati, U.S. Department of Health, Education, and Welfare, 1969. [251 p.]

53. Solid waste handling in metropolitan areas. [W. E. Gilbertson, R. J. Black, L. E. Crane, and P. L. Davis.] Public Health Service Publication No. 1554. Washington, U.S. Government Printing Office, 1966. 41 p.

54.† Solid wastes landfill stabilization; an interim report. Ralph Stone and Company, Inc. Cincinnati, U.S. Department of Health, Education, and Welfare, 1968. [145 p.]

55. Solid waste management/composting; European activity and American potential. S. A. Hart. Public Health Service Publication No. 1826. Washington, U.S. Government Printing Office, 1968. 40 p.

56.† Solid waste management: the Federal role. R. D. Vaughan. [Cincinnati], U.S. Department of Health, Education, and Welfare, 1969. 22 p.

57.† Solid waste reduction/salvage plant, an interim report; City of Madison pilot plant demonstration project, June 14 to December 31, 1967. Cincinnati, U.S. Department of Health, Education, and Welfare, 1968. 25 p.

58.‡ Solid wastes: every day, another 800 million pounds. S. A. Mix. *Today's Health,* 44(3):46-48, Mar. 1966.

59.† Solid wastes management in Germany; report of the U.S. Solid Wastes Study Team visit, June 25-July 8, 1967. S. A. Hart. Public Health Service Publication No. 1812. Washington, U.S. Government Printing Office, 1968. 18 p.

60.‡ Some effects of disposable plastic liners on refuse handling efficiency. W. C. McElwee and M. J. Wilcomb. *Journal of Environmental Health,* 30(5):501-509, Mar.-Apr. 1968.

61.‡ Some specialized equipment used in European compost systems. J. S. Wiley. *Compost Science,* 4(1):7-10, Spring 1963.

62.† Special studies for incinerators; for the government of the District of Columbia, Department of Sanitary Engineering. Day & Zimmerman. Public Health Service Publication No. 1748. Washington, U.S. Government Printing Office, 1968. 80 p. (*See* PB-187 286.)

---

†Out of print; available only from EPA libraries or Government Printing Office depository libraries.

‡Available in public and university libraries.

order nos.

63.† State/interstate solid waste planning grants and agencies—January 1969. Public Health Service Publication No. 1912. Rockville, Md., U.S. Department of Health, Education, and Welfare, 1969. 17 p.,

64.† State/interstate solid waste planning grants; progress abstracts, January 1969. D. D. Swavely and L. F. Hultgren, *comps.* Public Health Service Publication No. 1913. Washington, U.S. Government Printing Office, 1969. 94 p.

65. A study of solid waste collection systems comparing one-man with multi-man crews; final report. Ralph Stone and Company, Inc. Public Health Service Publication No. 1892. Washington, U.S. Government Printing Office, 1969. 175 p.

66.† Summaries; solid wastes demonstration grant projects—1969. C. E. Sponagle and P. L. Stump. Public Health Service Publication No. 1821. Washington, U.S. Government Printing Office, 1969. 175 p.

67.† Summaries of solid wastes research and training grants—1968. L. W. Lefke, *comp.* Public Health Service Publication No. 1596. Washington, U.S. Government Printing Office, 1968. 48 p. Supplement (insert). Jan. 1, 1968—July 1, 1970. 8 p.

68.† Technical assistance activities of the solid wastes program. H. L. Hickman, Jr. Cincinnati, U.S. Department of Health, Education, and Welfare, 1968. 12 p.

69.† The Tezuka refuse compression system; a preliminary report. American Public Works Association Research Foundation. Cincinnati, U.S. Department of Health, Education, and Welfare, 1969. 47 p.

70.† The 3rd pollution. Falls Church, Va., Stuart Finley, Inc., [1967]. 4 p. [Flyer.]

71.‡ Action on the solid wastes problem. R. J. Black and L. Weaver. *Journal of the Sanitary Engineering Division, Proceedings, American Society of Civil Engineers,* 93(SA6):91-96, Dec. 1967.

72.† Ad hoc conference on solid waste training, Robert A. Taft Sanitary Engineering Center, Cincinnati, Nov. 4-6, 1964. Cincinnati, U.S. Department of Health, Education, and Welfare. 72 p.

73.† Management of solid wastes from hospitals: problems and technology. R. D. Vaughan. [Cincinnati], U.S. Department of Health, Education, and Welfare, [1969]. 12 p.

74.‡ Municipal composting research at Johnson City, Tennessee. O. W. Kochtitzky, W. K. Seaman, and J. S. Wiley. *Compost Science,* 9(4):5-16, Winter 1969.

75.† Municipal incineration. M. D. Bogue. [Cincinnati], U.S. Department of Health, Education, and Welfare, 1968. 27 p.

76.† Private contractor opportunities in the solid wastes program. R. J. Black. [Cincinnati], U.S. Department of Health, Education, and Welfare, [1968]. 14 p.

77. Solid waste—a natural resource? R. P. Lonergan and E. M. Herson. *In* Man and the quality of his environment; western resources papers, 1967. J. E. Flack and M. C. Shipley, *eds.* [Boulder], University of Colorado Press, 1968. p. 107-120.

78.† Solid wastes demonstration grant abstracts; grants awarded January 1-June 30, 1969. C. E. Sponagle. [Cincinnati], U.S. Department of Health, Education, and Welfare, 1969. 47 p.

---

†Out of print; available only from EPA libraries or Government Printing Office depository libraries.

‡Available in public and university libraries.

order nos.

79.† Solid wastes handling. R. J. Black. *In* Environmental aspects of the hospital. v. 2. Supportive departments. Public Health Service Publication No. 930-C-16. Washington, U.S. Government Printing Office, 1967. p. 20-27. Reprinted as "Solid wastes handling [in hospitals]." Cincinnati, U.S. Department of Health, Education, and Welfare, 1968. 9 p.

80.† Solid wastes problems and programs: a challenge to the professional sanitarian. Environmental Protection Publication SW-37. D. A. Townley. [Cincinnati], U.S. Department of Health, Education, and Welfare, [1968]. 11 p.

81.† The solid wastes program of the U.S. Public Health Service. R. D. Vaughan. [Cincinnati], U.S. Department of Health, Education, and Welfare, [1968]. 13 p.

82.† Utilization and disposal of poultry manure. J. S. Wiley. Cincinnati, U.S. Department of Health, Education, and Welfare, 1969. 14 p.

83.† Effects of land disposal of solid wastes on water quality. R. L. Cummins. Environmental Protection Publication SW-2ts. Cincinnati, U.S. Department of Health, Education, and Welfare, 1968. 29 p.

84.† A systems study of solid waste management in the Fresno area; final report on a solid waste management demonstration. Aerojet-General Corporation. Public Health Service Publication No. 1959. Washington, U.S. Government Printing Office, 1969. [411 p.]

85. Summaries of solid waste management contracts, July 1, 1965-June 30, 1970. H. H. Connolly, *comp.* Public Health Service Publication No. 1897. Washington, U.S. Government Printing Office, 1969. 46 p.

86. An accounting system for sanitary landfill operations. E. R. Zausner. Public Health Service Publication No. 2007. Washington, U.S. Government Printing Office, 1969. 18 p.

87.‡ The psychology of solid waste management. A. J. Klee. *APWA Reporter*, 36(5):14-15,18,20, May 1969.

88.‡ Microbiological evaluation of incinerator operations. M. L. Peterson and F. J. Stutzenberger. *Applied Microbiology*, 18(1):8-13, July 1969.

89. International Research Group on Refuse Disposal (IRGRD); information bulletin numbers 21-31, August 1964 to December 1967. Rockville, Md., U.S. Department of Health, Education, and Welfare, 1969. 387 p. [Translated by the Israel Program for Scientific Translations.]

90.† *See* 223.

91. Conversion of organic solid wastes into yeast; an economic evaluation. F. H. Meller. Public Health Service Publication No. 1909. Washington, U.S. Government Printing Office, 1969. 173 p.

92.† Technical-economic study of solid waste disposal needs and practices. Combustion Engineering, Inc. Public Health Service Publication No. 1886. Washington, U.S. Government Printing Office, 1969. [705 p.] (*See* PB-187 712.)

93. Observations of continental European solid waste management practices. M. E. Jensen. Public Health Service Publication No. 1880. Washington, U.S. Government Printing Office, 1969. 46 p.

---

†Out of print; available only from EPA libraries or Government Printing Office depository libraries.

‡Available in public and university libraries.

94. Master plan for solid waste collection and disposal—tri-parish metropolitan area of New Orleans; final report on a solid waste management demonstration. Albert Switzer & Associates, Inc., and Greenleaf/Telesca. Public Health Service Publication No. 1932. Washington, U.S. Government Printing Office, 1969. [359 p.]

95. Dismantling railroad freight cars; a study of improved methods with application to other demolition problems. D. M. Butler and W. M. Graham. Public Health Service Publication No. 1850. Washington, U.S. Government Printing Office, 1969. 32 p.

96.‡ Recycling and reuse of waste materials; an essential feature of solid waste control systems for the future. R. D. Vaughan. *Waste Age*, 1(1):6-7, Sept. 1969.

97.† Analysis of solid waste composition; statistical technique to determine sample size. D. E. Carruth and A. J. Klee. Environmental Protection Publication SW-19ts. [Cincinnati], U.S. Department of Health, Education, and Welfare, 1969. 25 p.

98.‡ Research and development for better solid waste management. A. W. Breidenbach and R. W. Eldredge. *BioScience*, 19(11):984-988, Nov. 1969.

99.‡ Tactics, strategy: the solid waste battle. A. J. Klee. *Environmental Science & Technology*, 3(10):898-902, Oct. 1969.

100.† Solid wastes and air pollution. R. D. Vaughan. [Cincinnati], U.S. Department of Health, Education, and Welfare, 1969. 16 p.

101. Let DARE make your solid-waste decisions. A. J. Klee. *American City*, 85(2):100-103, Feb. 1970.

102.† Air classification for reclamation processing of solid wastes. R. A. Boettcher. ASME Paper No. 69-WA/PID-9. Presented at Winter Annual Meeting, American Society of Mechanical Engineers, Los Angeles, Nov. 16-20, 1969. 12 p.

103.‡ Economics of solid waste investment decisions. R. M. Clark. *Journal of the Urban Planning and Development Division, Proceedings, American Society of Civil Engineers*, 96(UP1):65-79, Mar. 1970.

104. Industrial and agricultural solid wastes and problems involved in their disposal. T. J. Sorg. *Public Health News* (New Jersey), 51(3):67-69, Mar. 1970.

105. Kenilworth model sanitary landfill; interim report on a solid waste demonstration project, December 1967-January 1969. District of Columbia, Department of Sanitary Engineering. Washington, U.S. Government Printing Office, 1969. [127 p.]

106. Automobile scrapping processes and needs for Maryland; a final report on a solid waste demonstration. Management Technology, Inc. Public Health Service Publication No. 2027. Washington, U.S. Government Printing Office, 1970. 64 p.

107.† Solid waste management and the packaging industry. R. D. Vaughan. [Cincinnati], U.S. Department of Health, Education, and Welfare, 1969. 20 p.

108.‡ The Federal solid wastes program. R. D. Vaughan. *Civil Engineering*, 39(2):69-71, Feb. 1969.

109.‡ Bureau attacks nation's solid waste. R. D. Vaughan. *Environmental Science & Technology*, 3(8):705-707, Aug. 196

---

†Out of print; available only from EPA libraries or Government Printing Office depository libraries.

‡Available in public and university libraries.

order nos.

110. Current concepts in the disposal of solid wastes. J. C. Kennedy. *Journal of Environmental Health,* 31(2):149-153, Sept.-Oct. 1968.

111. An accounting system for incinerator operations. E. R. Zausner. Public Health Service Publication No. 2032. Washington, U.S. Government Printing Office, 1970. 17 p.

112.† Policies for solid waste management. National Academy of Engineering–National Academy of Sciences. Public Health Service Publication No. 2018. Washington, U.S. Government Printing Office, 1970. 64 p.

113. Planning and the national solid waste survey. H. L. Hickman, Jr. *Journal of Environmental Health,* 32(4):402-405, Jan.-Feb. 1970.

114.† Solid waste processing; a state-of-the-art report on unit operations and processes. R. B. Engdahl. Public Health Service Publication No. 1856. Washington, U.S. Government Printing Office, 1969. 72 p.

115. Composting dewatered sewage sludge. G. L. Shell and J. L. Boyd. Public Health Service Publication No. 1936. Washington, U.S. Government Printing Office, 1970. 28 p.

116. Progress in solid waste management and needed developments. L. W. Lefke. *In* Proceedings; 8th Annual Environmental and Water Resources Engineering Conference, Nashville, June 5-6, 1969. Vanderbilt University, Technical Report No. 20. p. 107-118. Reprinted, [Cincinnati], U.S. Department of Health, Education, and Welfare, 1970. 16 p.

117. Proposals for a refuse disposal system in Oakland County, Michigan; final report on a solid waste demonstration grant project. Jones & Henry Engineers Ltd. Public Health Service Publication No. 1960. Washington, U.S. Government Printing Office, 1970. 146 p.

118. Comprehensive study of solid waste disposal in Cascade County, Montana; final report on a solid waste demonstration. Thomas, Dean & Hoskins, Inc. Public Health Service Publication No. 2002. Washington, U.S. Government Printing Office, 1970. 188 p.

119.‡ Reuse of solid wastes: a major solution to a major national problem. R. D. Vaughan. *Waste Age,* 1(1):10,14-15, Apr. 1970.

120.‡ Where will we put all that garbage? T. Alexander. *Fortune,* 76(5):149-151,189-190,192,194, Oct. 1967. Reprinted, [Cincinnati], U.S. Department of Health, Education, and Welfare, [1970]. 13 p.

121.‡ Grants encourage new waste disposal methods. A. J. Muhich. *Journal of Environmental Health,* 32(5):572-578, Mar.-Apr. 1970.

122. Municipal-scale incinerator design and operation. Formerly titled "Incinerator guidelines–1969." J. DeMarco, D. J. Keller, J. Leckman, and J. L. Newton. Public Health Service Publication No. 2012. Washington, U.S. Government Printing Office, 1969. 98 p.

123. Mathematical modeling of solid waste collection policies. v. 1-2. M. M. Truitt, J. C. Liebman, and C. W. Kruse. Public Health Service Publication No. 2030. Washington, U.S. Government Printing Office, 1970. [311 p.]

124. Developing a State solid waste management plan. R. O. Toftner. Public Health Service Publication No. 2031. Washington, U.S. Government Printing Office, 1970. 50 p.

---

†Out of print; available only from EPA libraries or Government Printing Office depository libraries.
‡Available in public and university libraries.

125. Louisville, Ky.-Ind. metropolitan region solid waste disposal study; interim report on a solid waste demonstration project. v. 1. Jefferson County, Kentucky. University of Louisville. [Cincinnati], U.S. Department of Health, Education, and Welfare, 1970. 205 p.

126.‡ Cellulolytic activity in municipal solid waste composting. F. J. Stutzenberger, A. J. Kaufman, and R. D. Lossin. *Canadian Journal of Microbiology,* 16(7):553-560, July 1970.

127. Solid waste management; abstracts and excerpts from the literature. v. 1-2. C. G. Golueke. Public Health Service Publication No. 2038. Washington, U.S. Government Printing Office, 1970. 147 p.

128. Comprehensive studies of solid waste management; first and second annual reports. C. G. Golueke and P. H. McGauhey. Public Health Service Publication No. 2039. Washington, U.S. Government Printing Office, 1970. 245 p.

129.† Excerpts relating to solid waste from The President's Message on Environment, 91st Cong., 2d sess., Feb. 10, 1970. [Cincinnati], U.S. Department of Health, Education, and Welfare. [4 p.]

130. An appraisal of marine disposal of solid wastes off the west coast: a preliminary review and results of a survey. C. G. Gunnerson. [Cincinnati], U.S. Department of Health, Education, and Welfare, 1970. 32 p.

131.† America the beautiful; a collection of the nation's trashiest humor. A. Hamilton, *comp.* Public Health Service Publication No. 2048. Washington, U.S. Government Printing Office, 1970. 31 p.

132.‡ Financing municipal solid waste management systems. R. M. Clark and R. O. Toftner. *Journal of the Sanitary Engineering Division, Proceedings, American Society of Civil Engineers,* 96(SA4):885-892, Aug. 1970.

133.‡ Sample weights in solid waste composition studies. A. J. Klee and D. Carruth. *Journal of the Sanitary Engineering Division, Proceedings of the American Society of Civil Engineers,* 96(SA4):945-954, Aug. 1970.

134. Needs for chemical research in solid waste management. A. W. Breidenbach and E. P. Floyd. Washington, U.S. Government Printing Office, 1970. 28 p.

135.† PERT; concepts and application to solid waste management. S. J. Meresman. Environmental Protection Publication SW-35ts. [Cincinnati], U.S. Department of Health, Education, and Welfare, 1970. 35 p.

136. Systems analysis of regional solid waste handling. N. Morse and E. W. Roth. Public Health Service Publication No. 2065. Washington, U.S. Government Printing Office, 1970. [294 p.]

137.‡ DISCUS–a solid-waste management game. A. J. Klee. *IEEE Transactions on Geoscience Electronics,* GE-8(3):125-129, July 1970.

138.† Citizen support for solid waste management. National Association of Counties Research Foundation. [Cincinnati], U.S. Department of Health, Education, and Welfare, [1970]. 20 p. (Also published as ch. 8 of Public Health Service Publication No. 2084.)

139.† Planning a comprehensive in-plant solid waste survey. R. L. Cummins, W. T. Dehn, H. Hudson, and M. L. Senske. Environmental Protection Publication SW-58ts. [Cincinnati], U.S. Department of Health, Education, and Welfare, 1970. 9 p.

---

†Out of print; available only from EPA libraries or Government Printing Office depository libraries.

‡Available in public and university libraries.

order nos.

140.‡ Ocean dumping poses growing threat. *Environmental Science & Technology,* 4(10):805-806, Oct. 1970.

141.† The public-private partnership in solid waste management. H. L. Hickman, Jr. [Cincinnati], U.S. Department of Health, Education, and Welfare, 1970. 16 p.

142. International Research Group on Refuse Disposal (IRGRD); information bulletin number 32, April 1968. Rockville, Md., U.S. Department of Health, Education, and Welfare, 1969. 41 p. [Translated by the Israel Program for Scientific Translations.]

143. International Research Group on Refuse Disposal (IRGRD); information bulletin number 33, August 1968. Rockville, Md., U.S. Department of Health, Education, and Welfare, 1969. 27 p. [Translated by the Israel Program for Scientific Translations.]

144. International Research Group on Refuse Disposal (IRGRD); information bulletin number 34, December 1968. Rockville, Md., U.S. Department of Health, Education, and Welfare, 1969. 29 p. [Translated by the Israel Program for Scientific Translations.]

145. International Research Group on Refuse Disposal (IRGRD); information bulletin number 35, May 1969. Rockville, Md., U.S. Department of Health, Education, and Welfare, 1969. 46 p. [Translated by the Israel Program for Scientific Translations.]

146.‡ Decentralized solid waste collection facilities. R. M. Clark and B. P. Helms. *Journal of the Sanitary Engineering Division, Proceedings of the American Society of Civil Engineers,* 96(SA5):1035-1043, Oct. 1970.

147. Mathematical analysis of solid waste collection. D. H. Marks and J. C. Liebman. Public Health Service Publication No. 2104. Washington, U.S. Government Printing Office, 1970. 196 p.

148.‡ Determination of selenium in solid waste. H. Johnson. *Environmental Science & Technology,* 4(10):850-853, Oct. 1970.

149.‡ Mapping the United States . . . a solid waste view. A. J. Klee. *Waste Age,* 1(5):30-31, Sept.-Oct. 1970.

150.‡ Clean and green solid waste system in Alabama is widely copied. M. D. Bogue. *Waste Age,* 1(5):4-6,10-11,36, Sept.-Oct. 1970.

151.‡ Portable sampler for microorganisms in incinerator stack emissions. D. H. Armstrong. *Applied Microbiology,* 19(1):204-205, Jan. 1970.

152.† The Resource Recovery Act; Public Law 91-512, 91st Cong., H.R. 11833, October 26, 1970. [Washington, U.S. Government Printing Office, 1970.] 9 p. (*See* 171.)

153. An accounting system for solid waste collection. E. R. Zausner. Public Health Service Publication No. 2033. Washington, U.S. Government Printing Office, 1970. 24 p.

154. Partial oxidation of solid organic wastes. W. W. Shuster. Public Health Service Publication No. 2133. Washington, U.S. Government Printing Office, 1970. 99 p.

155.† Control of domestic rats and mice. rev. ed. B. F. Bjornson, H. D. Pratt, and K. S. Littig. Public Health Service Publication No. 563. Washington, U.S. Government Printing Office, 1968. Reprinted, [Bureau of Solid Waste Management], 1970. 41 p.

---

†Out of print; available only from EPA libraries or Government Printing Office depository libraries.

‡Available in public and university libraries.

156. Closing open dumps. D. R. Brunner, S. J. Hubbard, D. J. Keller, and J. L. Newton. Environmental Protection Publication SW-61ts. Washington, U.S. Government Printing Office, 1971, 19 p.

157.‡ Marine disposal of solid wastes. C. G. Gunnerson, R. P. Brown, and D. D. Smith. *Journal of the Sanitary Engineering Division, Proceedings, American Society of Civil Engineers,* 96(SA6):1387-1397, Dec. 1970.

158.‡ An investigation of the pH characteristics of compost. R. A. Carnes and R. D. Lossin. *Compost Science,* 11(5):18-21, Sept.-Oct. 1970. Reprinted, [Cincinnati, U.S. Environmental Protection Agency, 1971.] 4 p.

159. The mess we're in. S. Edmund. *Ranger Rick's Nature Magazine,* 4(6):4-10, July 1970.

160.‡ Manage solid wastes as a utility. R. M. Clark, R. O. Toftner, and T. W. Bendixen. *American City,* 86(2):45-47, Feb. 1971.

161.‡ Management of solid waste—the utility concept. R. M. Clark, R. O. Toftner, and T. W. Bendixen. *Journal of the Sanitary Engineering Division, Proceedings, American Society of Civil Engineers,* 97(SA1):33-40, Feb. 1971.

162.‡ Deep-sea disposal of liquid and solid wastes. D. D. Smith and R. P. Brown. *Industrial Water Engineering,* 7(9):20-24, Sept. 1970.

163.† State solid waste planning grants, agencies, and progress—1970; report of activities through June 30, 1970. R. O. Toftner, D. D. Swavely, W. T. Dehn, and B. L. Sweeney, *comps.* Public Health Service Publication No. 2109. Washington, U.S. Government Printing Office, 1971. 26 p.

164. Intergovernmental approaches to solid waste management. R. O. Toftner and R. M. Clark. Environmental Protection Publication SW-47ts. Washington, U.S. Government Printing Office, 1971. 19 p.

165. Summaries of solid waste intramural research and development projects. A. W. Breidenbach, *comp.* Environmental Protection Publication SW-14r. Washington, U.S. Government Printing Office, 1971. 24 p.

166. An information system for solid waste operation. Washington, U.S. Environmental Protection Agency, 1971. 3 p.

167.† Solid waste management in recreational forest areas. C. S. Spooner. Public Health Service Publication No. 1991. Washington, U.S. Government Printing Office, 1971. 96 p.

168.† Oregon solid waste management plan; status report, 1969. Oregon State Board of Health. Public Health Service Publication No. 2115. Washington, U.S. Government Printing Office, 1971. 125 p.

169. American composting concepts. P. H. McGauhey. Public Health Service Publication No. 2023. Washington, U.S. Government Printing Office, 1971. 23 p.

170. The role of nonpackaging paper in solid waste management, 1966 to 1976. W. E. Franklin and A. Darnay. Public Health Service Publication No. 2040. Washington, U.S. Government Printing Office, 1971. 76 p.

---

†Out of print; available only from EPA libraries or Government Printing Office depository libraries.

‡Available in public and university libraries.

171. The Solid Waste Disposal Act, Title II of Public Law 89-272–89th Congress, S. 306–October 20, 1965; as amended by the Resource Recovery Act of 1970, Public Law 91-512–91st Congress, H. R. 11833–October 26, 1970; by Public Law 93-14–93rd Congress, H. R. 5446–April 9, 1973 (To extend the amended Solid Waste Disposal Act–for one year); and by Public Law 93-611–93rd Congress, H. R. 16045–January 2, 1975 (To amend the Solid Waste Disposal Act to authorize appropriations for fiscal year 1975). Environmental Protection Publication SW-1.3. [Washington], U.S. Environmental Protection Agency, Office of Solid Waste Management Programs, 1975. 14 p.

172. Proceedings; 1st National Conference on Packaging Wastes, Sept. 22-24, 1969. Environmental Protection Publication SW-9rg. Washington, U.S. Government Printing Office, 1971. 242 p.

173.‡ Locational models for solid waste management. B. P. Helms and R. M. Clark. *Journal of the Urban Planning and Development Division, Proceedings, American Society of Civil Engineers*, 97(UP1):1-13, Apr. 1971.

174.‡ Solid Waste transfer and disposal for rural areas. D. R. Andres and F. W. Cope. *California Vector Views*, 17(7):67-76, July 1970.

175.† California solid waste management study (1968) and plan (1970). California State Department of Public Health. Public Health Service Publication No. 2118. Washington, U.S. Government Printing Office, 1971. [303 p.]

176. An accounting system for solid waste management in small communities. E. R. Zausner. Public Health Service Publication No. 2035. Washington, U.S. Government Printing Office, 1971. 18 p.

177. Recovery and utilization of municipal solid waste; a summary of available cost and performance characteristics of unit processes and systems. N. L. Drobny, H. E. Hull, and R. F. Testin, Public Health Service Publication No. 1908. Washington, U.S. Government Printing Office, 1971. 118 p.

178.† Comprehensive studies of solid waste management; third annual report. C. G. Golueke. Environmental Protection Publication SW-10rg. Washington, U.S. Government Printing Office, 1971. 201 p.

179.† Plastic wastes in the coming decade. H. H. Connolly. Environmental Protection Publication SW-68. Washington, U.S. Government Printing Office, 1971. 26 p.

180.‡ St. Louis power plant to burn city refuse. F. E. Wisely, G. W. Sutterfield, and D. L. Klumb. *Civil Engineering*, 41(1):56-59, Jan. 1971.

181.† Kentucky solid waste management plan; status report, 1970. Kentucky State Department of Health. Environmental Protection Publication SW-6tsg. Washington, U.S. Government Printing Office, 1971. 160 p.

182. An accounting system for transfer station operations. E. R. Zausner. Public Health Service Publication No. 2034. Washington, U.S. Government Printing Office, 1971. 20 p.

183.† Omaha-Council Bluffs solid waste management plan; status report, 1969. Henningson, Durham & Richardson. Public Health Service Publication No. 2117. Washington, U.S. Government Printing Office, 1971. [225 p.]

184.† Pathogens associated with solid waste processing; a progress report. M. L. Peterson. Environmental Protection Publication SW-49r. [Cincinnati], U.S. Environmental Protection Agency, 1971. 26 p.

---

†Out of print; available only from EPA libraries or Government Printing Office depository libraries.

‡Available in public and university libraries.

185.† Sanitary landfill design, construction, and evaluation. M. J. Wilcomb and H. L. Hickman, Jr., *comps.* Environmental Protection Publication SW-88ts. Washington, U.S. Government Printing Office, 1971. 11 p.

186.† Construction of a chemical-microbial pilot plant for production of single-cell protein from cellulosic wastes. C. D. Callihan and C. E. Dunlap. Environmental Protection Publication SW-24c. Washington, U.S. Government Printing Office, 1971. 126 p. (*See* PB-223 873.)

187. Rubber reuse and solid waste management, pt. 1-2. R. J. Pettigrew, F. H. Roninger, W. J. Markiewicz, and M. J. Gransky. [Public Health Service Publication No. 2124.] Washington, U.S. Government Printing Office, 1971. 120 p.

188. Financing solid waste management in small communities. E. R. Zausner. Environmental Protection Publication SW-57ts. Washington, U.S. Government Printing Office, 1971. 14 p.

189. Sanitary landfill . . . an answer to a community problem; a route to a community asset. rev. ed. [R. J. Black.] Public Health Service Publication No. 1012. Washington, U.S. Government Printing Office, 1970. [8 p.]

190. Summaries of solid waste research and training grants—1970. L. W. Lefke, A. G. Keene, R. A. Chapman, and H. Johnson, *comps.* Public Health Service Publication No. 1596. Washington, U.S. Government Printing Office, 1971. 134 p. Addendum through July 31, 1971. 8 p. [Insert.]

191.† District of Columbia solid waste management plan; status report, 1970. District of Columbia. Environmental Protection Publication SW-4tag. Washington, U.S. Government Printing Office, 1971. 138 p.

192. Ocean disposal of barge-delivered liquid and solid wastes from U.S. coastal cities. D. D. Smith and R. P. Brown. [Public Health Service Publication No. 2113.] Washington, U.S. Government Printing Office, 1971. 119 p.

193.‡ Method for macrodetermination of carbon and hydrogen in solid wastes. D. L. Wilson. *Environmental Science & Technology*, 5(7):609-614, July 1971.

194. Symposium of State and Interstate Solid Waste Planning Agencies, Sept. 9-11, 1969, St. Louis, Mo. L. A. Gluckman, *ed.* Public Health Service Publication No. 2093. Washington, U.S. Government Printing Office, 1971. 92 p.

195.† *Solid Waste Information Retrieval System Accession Bulletin*, 1(1-12):1-266, Jan.-Dec. 1970; 2(1-2):1-42, Jan.-Feb. 1971. Washington, U.S. Government Printing Office, 1971-1972.

196.† Resource recovery—a new solid waste management philosophy and technology. J. T. Talty. Presented at the 10th Annual Environmental and Water Resources Engineering Conference, Vanderbilt University, Nashville, June 1971. [Cincinnati], U.S. Environmental Protection Agency. 9 p. Reprinted 1971. 11 p.

197.† Activities in managing solid wastes. J. DeMarco. *In* Proceedings: Second National Symposium on Food Processing Wastes, Denver, Mar. 23-26, 1971. Pacific Northwest Water Laboratory, EPA; and National Canners Association. p. 41-50. Reprinted, [Cincinnati], U.S. Environmental Protection Agency, 1971. 10 p.

---

†Out of print; available only from EPA libraries or Government Printing Office depository libraries.
‡Available in public and university libraries.

198.† Solid waste management in the food processing industry. H. T. Hudson. *In* Proceedings: Second National Symposium on Food Processing Wastes, Denver, Mar. 23-26, 1971. Pacific Northwest Water Laboratory, EPA; and National Canners Association. p. 637-654. Reprinted, [Cincinnati], U.S. Environmental Protection Agency, 1971. 18 p.

199. Feasibility study of the disposal of polyethylene plastic waste. K. Gutfreund. Public Health Service Publication No. 2010. Washington, U.S. Government Printing Office, 1971. 45 p.

200. Seven incinerators; evaluation, discussions, and authors' closure. Environmental Protection Publication SW-51ts.lj. [Washington, U.S. Government Printing Office, 1971. 40 p.] (Includes discussions and authors' closure for "An evaluation of seven incinerators" by W. C. Achinger and L. E. Daniels.)

201.† Mission 5000; let's find a better way! Washington, U.S. Government Printing Office, 1971. 1 p. [Poster, 16 x 20 in.].

202.† Mission 5000. [Washington, U.S. Government Printing Office, 1970.] 6 p. [Flyer and button.]

203. Available information materials; solid waste management. Office of Solid Waste Management Programs. Environmental Protection Publication SW-58.26. Washington, U.S. Environmental Protection Agency, July 1976. 103 p.

204.‡ Compost studies. pt. I. R. D. Lossin. *Compost Science*, 11(6):16-17, Nov.-Dec. 1970.

205.‡ Compost studies. pt. II. R. D. Lossin. *Compost Science*, 12(1):12-13, Jan.-Feb. 1971.

206.‡ Compost studies. pt. III. R. D. Lossin. Measurement of the chemical oxygen demand of compost. *Compost Science*, 12(2):31-32, Mar.-Apr. 1971.

207.† Films tell the story. Washington, U.S. Government Printing Office, 1971. 6 p. [Flyer.]

208.† Solid waste management training bulletin of courses, July 1971-December 1972. Washington, U.S. Government Printing Office, 1971. 16 p.

209.† 5000 Dumps. Falls Church, Va., Stuart Finley, Inc., [1971]. 6 p. [Flyer.]

210.† Recycling. Falls Church, Va., Stuart Finley, Inc., [1971]. 6 p. [Flyer.]

211.† The stuff we throw away. Falls Church, Va., Stuart Finley, Inc., [1971]. 6 p. [Flyer.]

212. Composting of municipal solid wastes in the United States. A. W. Breidenbach et al. Environmental Protection Publication SW-47r. Washington, U.S. Government Printing Office, 1971. 103 p.

213.† Study report on a pilot-plant conical incinerator. W. C. Achinger. Environmental Protection Publication 14ts. [Cincinnati], U.S. Department of Health, Education, and Welfare, 1970. 56 p.

214.† Our environment. Falls Church, Va., Stuart Finley, Inc., [1971]. [4 p.] [Flyer.]

215.† State and interstate solid waste planning; a case study of Federal-State partnership. H. L. Hickman, Jr. [Cincinnati], U.S. Environmental Protection Agency, 1971. 14 p. [Restricted distribution.]

---

†Out of print; available only from EPA libraries or Government Printing Office depository libraries.
‡Available in public and university libraries.

216. 1968 National survey of community solid waste practices; region 1. Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont. A. J. Muhich, A. J. Klee, and C. R. Hampel. Public Health Service Publication No. 1866. Washington, U.S. Government Printing Office, 1969. 47 p.

217. 1968 National survey of community solid waste practices; region 2. v. 1. Delaware, New Jersey, New York. A. J. Muhich, A. J. Klee, and C. R. Hampel. Public Health Service Publication No. 1866. Washington, U.S. Government Printing Office, 1969. 161 p.

218. 1968 National survey of community solid waste practices; region 2. v. 2. Pennsylvania. A. J. Muhich, A. J. Klee, and C. R. Hampel. Public Health Service Publication No. 1866. Washington, U.S. Government Printing Office, 1969. 409 p.

219.‡ Selecting solid waste disposal facilities. B. P. Helms and R. M. Clark. *Journal of the Sanitary Engineering Division, Proceedings, American Society of Civil Engineers*, 97(SA4):443-451, Aug. 1971.

220.‡ Solid waste demonstration programs . . . can they help you? E. F. Spitzer. *American City*, 86(7):58-60,62, July 1971.

221.‡ Solid waste disposal and resource recovery grants. *Federal Register*, 36(181):18622-18628, Sept. 17, 1971.

222. New chemical concepts for utilization of waste plastics. M. E. Banks, W. D. Lusk, and R. S. Ottinger. [Public Health Service Publication No. 2125.] Washington, U.S. Government Printing Office, 1971. 129 p.

223. Hydrogeology of solid waste disposal sites in northeastern Illinois; a final report on a solid waste demonstration grant project. G. M. Hughes, R. A. Landon, and R. N. Farvolden. Environmental Protection Publication SW-12d. Washington, U.S. Government Printing Office, 1971. 154 p.

224.† Parasitological examination of compost; a Solid Waste Research open-file report. M. L. Peterson. [Cincinnati], U.S. Environmental Protection Agency, 1971. 15 p.

225.† Economic realities of reclaiming natural resources in solid waste. T. D. Clark. *In* Institute of Environmental Sciences 1971 Annual Technical Meeting Proceedings, Los Angeles, Apr. 26-30, 1971. Mt. Prospect, Ill., Institute of Environmental Sciences. p. 39-43. Reprinted, [Washington], U.S. Environmental Protection Agency, 1971. 12 p.

226.‡ The role of decision models in the evaluation of competing environmental health alternatives. A. J. Klee. *Management Science*, 18(2):B52-B67, Oct. 1971.

227.‡ The engineer in solid waste management. H. L. Hickman, Jr. *Professional Engineer*, 41(10):16-17, Oct. 1971. Reprinted, [Cincinnati], U.S. Environmental Protection Agency.

228. Cost of residential solid waste collection. R. M. Clark, B. L. Grupenhoff, G. A. Garland, and A. J. Klee, *Journal of the Sanitary Engineering Division, Proceedings of the American Society of Civil Engineers*, 97(SA5):563-568, Oct. 1971.

229. Agricultural benefits and environmental changes resulting from the use of digested sewage sludge on field crops; an interim report on a solid waste demonstration project. T. D. Hinesly, O. C. Braids, and J. E. Molina. Environmental Protection Publication SW-30d. Washington, U.S. Government Printing Office, 1971. 62 p.

---

†Out of print; available only from EPA libraries or Government Printing Office depository libraries.
‡Available in public and university libraries.

230. Recommended standards for sanitary landfill design, construction, and evaluation and model sanitary landfill operation agreement. National Solid Wastes Management Association and Federal solid waste management program. Environmental Protection Publication SW-86ts. Washington, U.S. Government Printing Office, 1971. 23 p.

231. Solid waste management; abstracts from the literature–1964. J. A. Connolly and S. E. Stainback. Public Health Service Publication No. 91–1964, Suppl. G. Washington, U.S. Government Printing Office, 1971. 280 p.

232. Solid waste management demonstration grant projects–1971; for grants awarded during the period June 1, 1966-June 30, 1971. C. E. Sponagle and P. L. Stump. Public Health Service Publication No. 1821. Washington, U.S. Government Printing Office, 1971. 247 p.

233.† New York solid waste management plan; status report, 1970. Roy F. Weston [Environmental Scientists and Engineers]. Environmental Protection Publication SW-5tsg. Washington, U.S. Government Printing Office, 1971. [307 p.]

234.‡ Solid waste management. H. L. Hickman, Jr. *District Heating*, 57(1):18-19,22-24, Summer 1971. Reprinted, [Washington, U.S. Environmental Protection Agency], 1971. 13 p.

235. Methods of predicting solid waste characteristics. G. B. Boyd and M. B. Hawkins. Environmental Protection Publication SW-23c. Washington, U.S. Government Printing Office, 1971. 28 p.

236. Design of a water-disposable glass packaging container. pt. 1-3. S. F. Hulbert, C. C. Fain, and M. J. Eitel. Environmental Protection Publication Sw-11rg. Washington, U.S. Government Printing Office, 1971. 60 p.

237.† An analysis of institutional solid wastes. S. A. Messman [University of Illinois]. Environmental Protection Publication SW-2tg. [Washington], U.S. Environmental Protection Agency, 1971. 61 p.

238. Clean and green solid waste system in Alabama is widely copied. M. D. Bogue. *Waste Age*, 1(5):4-6,10-11,36, Sept.-Oct. 1970. Reprinted, [Washington], U.S. Environmental Protection Agency, 1971. 8 p.

239. Guidelines for local governments on solid waste management. National Association of Counties Research Foundation. Public Health Service Publication No. 2084. Washington, U.S. Government Printing Office, 1971. 184 p.

240.‡ Empirical analysis of commercial solid waste generation. T. V. DeGeare, Jr., and J. E. Ongerth. *Journal of the Sanitary Engineering Division, Proceedings of the American Society of Civil Engineers*, 97(SA6):843-850, Dec. 1971.

241.† Resource recovery in solid waste management. L. W. Lefke. Environmental Protection Publication SW-67r. [Washington], U.S. Environmental Protection Agency, 1971. 14 p.

242. A study of residential solid waste generated in low-income areas. G. R. Davidson, Jr. Environmental Protection Publication SW-83ts. [Washington], U.S. Environmental Protection Agency, 1972. 14 p.

243. The role of packaging in solid waste management–1966 to 1976. I. Kiefer. Environmental Protection Publication SW-5c.2. Washington, U.S. Government Printing Office, 1971. [28 p.] [Condensation.]

---

†Out of print; available only from EPA libraries or Government Printing Office depository libraries.

‡Available in public and university libraries.

order nos.

244. Disposal of polymer solid wastes by primary polymer producers and plastics fabricators. C. W. Marynowski. Environmental Protection Publication SW-34c. Washington, U.S. Government Printing Office, 1972. 92 p.

245. Pollution of subsurface water by sanitary landfills. v. 1. A. A. Fungaroli. Environmental Protection Publication SW-12rg. Washington, U.S. Government Printing Office, 1971. [200 p.]

246. Packaging industry and government. H. L. Hickman, Jr. *Waste Age,* 2(6):12-14, Nov.-Dec. 1971.

247.‡ Land use planning and solid waste management. R. M. Clark and R. O. Toftner. *Public Works,* 103(3):79-80,98, Mar. 1972.

248. Solid waste management in residential complexes. Greenleaf/Telesca. Environmental Protection Publication SW-35c. Washington, U.S. Government Printing Office, 1971. [419 p.]

249. Collection and disposal of solid waste for the Des Moines metropolitan area; the planning phase. Henningson, Durham & Richardson, Inc., and Veenstra & Kimm. Environmental Protection Publication SW-14d. Washington, U.S. Government Printing Office, 1971. [321 p.]

250.‡ Interview with Sandy Hale; Waste Age discusses new direction for Federal solid waste management program with its new director. *Waste Age,* 2(6):8-9,23-27, Nov.-Dec. 1971. Reprinted, [Washington], U.S. Environmental Protection Agency, 1972. [8 p.]

251.‡ Fleet selection for solid waste collection systems. R. M. Clark and B. P. Helms. *Journal of the Sanitary Engineering Division, Proceedings of the American Society of Civil Engineers,* 97(SA1):71-78, Feb. 1972.

252.† High-pressure compaction and baling of solid waste; final report on a solid waste management demonstration grant. K. W. Wolf and C. H. Sosnovsky. Environmental Protection Publication SW-32d. Washington, U.S. Government Printing Office, 1972. 163 p.

253. Digest of selected local solid waste management ordinances. M. D. Powell, B. P. Fiedelman, and M. J. Roe. Environmental Protection Publication SW-38c. Washington, U.S. Government Printing Office, 1972. 376 p.

254.† Microbial degradation of urban and agricultural wastes. W. Q. Kehr. *In* Environmental quality: now or never. C. L. San Clemente, *ed.* SIM Special Publication No. 5. East Lansing, Michigan State University, 1972. p. 184-191.

255. Creating a countywide solid waste management system; the case study of Humphreys County, Tennessee. M. A. Kruth, D. H. Booth, and D. L. Yates. Environmental Protection Publication SW-110. Washington, U.S. Government Printing Office, 1972. 15 p.

256. Air classification of solid wastes; performance of experimental units and potential applications for solid waste reclamation. R. A. Boettcher. Environmental Protection Publication SW-30c. Washington, U.S. Government Printing Office, 1972. 73 p.

257. Solid waste management; abstracts from the literature—1965. J. A. Connolly and S. E. Stainback. Public Health Service Publication No. 91—1965, Suppl. H. Washington, U.S. Government Printing Office, 1972. 216 p.

---

†Out of print; available only from EPA libraries or Government Printing Office depository libraries.

‡Available in public and university libraries.

order nos.

258. Solid waste management; abstracts from the literature–1966. Franklin Institute Research Laboratories. Public Health Service Publication No. 91-1966, Suppl. I. Washington, U.S. Government Printing Office, 1972. 197 p.

259.† Study of solid waste management; committee guide. League of Women Voters Publication No. 699. Washington, League of Women Voters of the United States, Nov. 1971. 8 p.

260.† Initiating a national effort to improve solid waste management. Environmental Protection Publication SW-14. [Washington], U.S. Environmental Protection Agency, 1971. 107 p.

261. Design of consumer containers for re-use or disposal; proceedings of Solid Waste Resources Conference, [Columbus], May 12-13, 1971. G. F. Sachsel, *comp.* Environmental Protection Publication SW-3p. Washington, U.S. Government Printing Office, 1972. 330 p.

262. Satellite vehicle waste collection systems. J. E. Delaney. Environmental Protection Publication SW-82ts.1. Washington, U.S. Government Printing Office, 1972. 14 p. [Condensation.]

263.† EPA's Office of Solid Waste Management Programs. [R. J. Griffin, Jr.] [Washington], U.S. Environmental Protection Agency, [1972]. 15 p.

264. Energy recovery from waste; solid waste as supplementary fuel in power plant boilers. R. A. Lowe. Environmental Protection Publication SW-36d.ii. Washington, U.S. Government Printing Office, 1973. 24 p.

265. 5000 Dumps. Stuart Finley, Inc. Environmental Protection Publication SW-39c.4. [Cincinnati], U.S. Environmental Protection Agency, 1972. 7 p. [Film narrative.]

266. The third pollution. Stuart Finley, Inc. Environmental Protection Publication SW-39c.1. [Cincinnati], U.S. Environmental Protection Agency, 1972. 9 p. [Film narrative.]

267. The stuff we throw away. Stuart Finley, Inc. Environmental Protection Publication SW-39c.7. [Cincinnati], U.S. Environmental Protection Agency, 1972. 8 p. [Film narrative.]

268. Recycling. Stuart Finley, Inc. Environmental Protection Publication SW-39c.3. [Cincinnati], U.S. Environmental Protection Agency, 1972. 8 p. [Film narrative.]

269. What's new in solid waste management? Stuart Finley, Inc. Environmental Protection Publication SW-39c.8. [Cincinnati], U.S. Environmental Protection Agency, 1972. 14 p. [Film narrative.]

270. In the bag. Stuart Finley, Inc. Environmental Protection Publication SW-39c.5. [Cincinnati], U.S. Environmental Protection Agency, 1972. 6 p. [Film narrative.]

271. Burn, bury, or what? Stuart Finley, Inc. Environmental Protection Publication SW-39c.2. [Cincinnati], U.S. Environmental Protection Agency, 1972. 8 p. [Film narrative.]

272. The green box. Stuart Finley, Inc. Environmental Protection Publication SW-39c.6. [Cincinnati], U.S. Environmental Protection Agency, 1972. 7 p. [Film narrative.]

273. Recycling our resources. E. McGough. *American Youth,* 13(1):18-21, Mar.-Apr. 1972.

274. New technologies in solid waste management. C. J. Dial. Environmental Protection Publication SW-82. [Washington], U.S. Environmental Protection Agency, 1972. 18 p.

---

†Out of print; available only from EPA libraries or Government Printing Office depository libraries.

275. The automobile cycle; an environmental and resource reclamation problem. U.S. Environmental Protection Agency, Federal solid waste management program. Environmental Protection Publication SW-80ts.1. Washington, U.S. Government Printing Office, 1972. 115 p.

276.‡ Federal redirections in solid waste. *Environmental Science & Technology*, 6(4):318-320, Apr. 1972. Reprinted, [Cincinnati], U.S. Environmental Protection Agency, 1972. 4 p.

277. Aerial and automotive reconnaissance of solid waste disposal sites in a rural county. T. J. Sorg. Environmental Protection Publication SW-32ts. [Washington], U.S. Environmental Protection Agency, 1972. 12 p.

278. Industrial solid waste problems. T. J. Sorg. *AIChE Symposium Series*, 68(122):1-5, 1972.

279. Solid waste management glossary. U.S. Environmental Protection Agency, Federal solid waste management program. Environmental Protection Publication SW-108ts. Washington, U.S. Government Printing Office, 1972. 20 p.

280. Mission 5000; a citizens' solid waste management project. Environmental Protection Publication SW-115ts. Washington, U.S. Government Printing Office, 1972. [16 p.]

281. Solid waste management; abstracts from the literature–1967. Franklin Institute Research Laboratories. Public Health Service Publication No. 91–1967, Suppl. J. Washington, U.S. Government Printing Office, 1972. 404 p.

282.† Solid waste management; abstracts from the literature–1968. Franklin Institute Research Laboratories. Public Health Service Publication No. 91-1968, Suppl. K. Washington, U.S. Government Printing Office, 1972. 286 p.

283. Computer planning for efficient solid waste collection. I. Kiefer. Environmental Protection Publication SW-5rg.1. Washington, U.S. Government Printing Office, 1972. [24 p.] [Condensation.]

284. Design criteria for solid waste management in recreational areas. H. R. Little. Environmental Protection Publication SW-91ts. Washington, U.S. Government Printing Office, 1972. 68 p.

285.‡ Sanitary landfill: alternative to the open dump. *Environmental Science & Technology*, 6(5):408-410, May 1972.

286. Recycling; assessment and prospects for success. A. Darnay. Environmental Protection Publication SW-81. Washington, U.S. Government Printing Office, 1972. 14 p.

287. Sanitary landfill design and operation. D. R. Brunner and D. J. Keller. Environmental Protection Publication SW-65ts. Washington, U.S. Government Printing Office, 1972. 59 p.

288. Sanitary landfill; one part earth to four parts refuse. L. A. Haug and R. J. Black. Environmental Protection Publication SW-6. Washington, U.S. Government Printing Office, 1972. [22 p.] [Film narrative.]

289.‡ Resource recovery losing ground. S. Hale, Jr. *Phoenix Quarterly*, 4(2):3-4, 1972.

290. Let's dump the dump; the ABC's of solid waste management. Greenfield, Mass., Channing L. Bete Co., Inc., 1971. 16 p.

---

†Out of print; available only from EPA libraries or Government Printing Office depository libraries.

‡Available in public and university libraries.

order nos.

291. Clean and green. [Clanton, Ala., Chilton County, 1972.] [4 p.]

292. Solid waste management in high-rise dwellings; a condensation. I. Kiefer. Environmental Protection Publication SW-27c.1. Washington, U.S. Government Printing Office, 1972. 19 p.

293. Salvage markets for materials in solid wastes. A. Darnay and W. E. Franklin. Environmental Protection Publication SW-29c. Washington, U.S. Government Printing Office, 1972. 187 p.

294. Information retrieval services of EPA's Office of Solid Waste Management Programs. J. A. Connolly. Environmental Protection Publication SW-91.2. [Cincinnati], U.S. Environmental Protection Agency, 1972. 12 p.

295.‡ Production of fungal protein from cellulose and waste cellulosics. C. J. Rogers, P. V. Scarpino, E. Coleman, D. F. Spino, and T. C. Purcell. *Environmental Science & Technology*, 6(8):715-719, Aug. 1972.

296. Recycle; in search of new policies for resource recovery. League of Women Voters Publication No. 132. Washington, League of Women Voters of the United States, 1972. 39 p.

297. Aerobic treatment of livestock wastes. D. D. Jones, D. L. Day, and A. C. Dale. Environmental Protection Publication SW-16rg. Washington, U.S. Government Printing Office, 1972. 55 p.

298. A study of solid waste collection systems comparing one-man with multi-man crews; a condensation. I. Kiefer. Environmental Protection Publication SW-9c.1. Washington, U.S. Government Printing Office, 1972. 32 p.

299. The processing and recovery of Jon Thomas—cool cat! T. Marceleno. Environmental Protection Publication SW-4ts. Washington, U.S. Government Printing Office, 1972. [34 p.]

300. Solid waste handling and disposal in multistory buildings and hospitals. v. 1. Summary, conclusions, and recommendations. Esco/Greenleaf. Environmental Protection Publication SW-34d.1. Washington, U.S. Government Printing Office, 1972. [263 p.]

301. Solid waste handling and disposal in multistory buildings and hospitals. v. 3. Research on systems development. Esco/Greenleaf. Environmental Protection Publication SW-34d.3. Washington, U.S. Government Printing Office, 1972. [229 p.]

302. Solid waste—it won't go away; current focus. rev. ed. League of Women Voters Publication No. 675. Washington, League of Women Voters of the United States, Nov. 1971. [12 p.]

303. Solid waste management, the national issues; community guide. rev. ed. League of Women Voters Publication No. 134. Washington, League of Women Voters of the United States, Nov. 1972. [4 p.]

304. Solid waste management; an overview. W. D. Ruckelshaus. *Public Management*, 54(10):2-4, Oct. 1972.

305. Role of sanitary landfilling in solid waste management. R. J. Black. *Waste Age*, 3(5):28-30,32,54-57, Sept.-Oct. 1972.

306.† The Federal role in solid waste management—present and future. S. Hale, Jr., J. A. Hill, and H. L. Hickman, Jr. [Cincinnati], U.S. Environmental Protection Agency, 1972. 30 p.

---

†Out of print; available only from EPA libraries or Government Printing Office depository libraries.

‡Available in public and university libraries.

307. Resource recovery, recycling, and reuse. *In* Annual report to the President and to the Council on Environmental Quality for the year ending May 1972. Citizens' Advisory Committee on Environmental Quality. Washington, U.S. Government Printing Office, [1972]. p. 33-41. Reprinted, [Cincinnati], U.S. Environmental Protection Agency, 1972. [10 p.]

308. Glass and aluminum recovery in recycling operations. W. Herbert and W. A. Flower. *Public Works*, 102(8):70,110,112, Aug. 1971. Reprinted, [Cincinnati], U.S. Environmental Protection Agency, 1972. 2 p.

309. Waste processing complex emphasizes recycling. W. Herbert and W. A. Flower. *Public Works*, 102(6):78-81, June 1971. Reprinted, [Cincinnati], U.S. Environmental Protection Agency, 1972. 4 p.

310. Improving manual solid waste separation studies. P. W. Britton. *Journal of the Sanitary Engineering Division, Proceedings of the American Society of Civil Engineers*, 98(SA5):717-730, Oct. 1972.

311. Solid Waste Demonstration Projects; Proceedings of a Symposium, Cincinnati, May 4-6, 1971. P. L. Stump, *comp.* Environmental Protection Publication SW-4p. Washington, U.S. Government Printing Office, 1972. 256 p.

312. Automatic amino acid analyses for determining the amount and quality of protein in fungal protein and in other protein sources. W. E. Coleman. *In* Symposium; seed proteins. G. E. Inglett, *ed.* Westport, Conn., Avi Publishing Company, Inc., 1972. p. 277-283.

313. Waste not, want not. Washington, U.S. Government Printing Office, 1972. [9 x 13-in. poster.]

314. Don't leave it all to the experts; the citizen's role in environmental decision making. Washington, U.S. Government Printing Office, Nov. 1972. 20 p.

315. What the people want you to do with solid waste. L. Sharpe. *APWA Reporter*, 40(1):8-9, Jan. 1973. Reprinted, [Washington], U.S. Environmental Protection Agency, 1973. 2 p.

316. Incentives for recycling and reuse of plastics; a summary report. [Arthur D. Little, Inc.] Environmental Protection Publication SW-41c.1. [Cincinnati], U.S. Environmental Protection Agency, 1973. 18 p.

317. Patent abstracts; United States solid waste management, 1945-1969. J. A. Connolly and S. E. Radinsky, *comps.* Public Health Service Publication No. 1793, Suppl. A. Washington, U.S. Government Printing Office, 1973. 452 p.

318. A litter bit is not enough. T. F. Williams. [Cincinnati, U.S. Environmental Protection Agency, 1973.] 11 p.

319. Patent abstracts; international solid waste management, 1945-1969. Environmental Protection Publication SW-78c. Washington, U.S. Government Printing Office, 1973. 437 p.

320.† Solid waste management—closing the circle. S. Hale, Jr. Environmental Protection Publication SW-87. [Cincinnati, U.S. Environmental Protection Agency, 1972.] 21 p. Reprinted, Washington, U.S. Government Printing Office, [1973]. 19 p.

321.† Resource recovery; the state of technology. Midwest Research Institute. [Prepared for the Council on Environmental Quality.] Washington, U.S. Government Printing Office, 1973. 67 p.

322. Ecology of compost; a public involvement project. D. L. Dindal. Syracuse, State University of New York, College of Environmental Science and Forestry, 1972. 12 p.

---

†Out of print; available only from EPA libraries or Government Printing Office depository libraries.

order nos.

323. Regional management of solid wastes; a planning study. I. Kiefer. Environmental Protection Publication SW-80.1. Washington, U.S. Government Printing Office, 1973. 7 p. [Condensation.]

324. Making polyethylene more disposable. I. Kiefer. Environmental Protection Publication SW-14c.1. Washington, U.S. Government Printing Office, 1973. 24 p. [Condensation.]

325. Oregon's bottle bill; the first six months. E. Claussen. Environmental Protection Publication SW-109. Washington, U.S. Government Printing Office, 1973. 14 p.

326.† The beverage container problem; analysis and recommendations. T. H. Bingham and P. F. Mulligan [Research Triangle Institute]. Washington, U.S. Government Printing Office, 1972. 190 p. (*See* PB-213 341.)

327. The States' roles in solid waste management; a task force report. T. Anderson et al. Lexington, Council of State Governments, 1973. 58 p. Reprinted, [Cincinnati], U.S. Environmental Protection Agency, July 1973.

328.‡ Pesticides and containers; acceptance, disposal, and storage; proposed rulemaking and issuance of procedures. *Federal Register*, 38(99):13622-13626, May 23, 1973.

329.† Pyrolysis: a possible new approach to solid waste disposal and recycling. [Cincinnati, U.S. Environmental Protection Agency], May 1973. 4 p.

330. Solid waste; disposal, reuse present major problems. *Congressional Quarterly; Weekly Report*, 31(17):1019-1023, Apr. 28, 1973.

331. Cities and the nation's disposal crisis. Washington, National League of Cities and U.S. Conference of Mayors, Mar. 1973. 46 p. Reprinted, [Cincinnati], U.S. Environmental Protection Agency, June 1973.

332. Environmental impacts of packaging. E. L. Claussen. [Washington], U.S. Environmental Protection Agency, 1973. 10 p.

333. The salvage industry; what it is–how it works. I. Kiefer. Environmental Protection Publication SW-29c.1. Washington, U.S. Government Printing Office, 1973. 32 p. [Condensation.]

334. The Federal resource recovery demonstration program. S. Hale. *Professional Engineer*, 48(6):28-31, June 1973.

335. There lived a wicked dragon. M. Finan. Washington, U.S. Government Printing Office, 1973. 30 p. [Coloring book.]

336. Developing a local and regional solid waste management plan. R. O. Toftner. Environmental Protection Publication SW-101ts.1. Washington, U.S. Government Printing Office, 1973. 29 p.

337. Solid waste transfer stations; a state-of-the-art report on systems incorporating highway transportation. T. A. Hegdahl. Environmental Protection Publication SW-99. Reprinted, [Cincinnati], U.S. Environmental Protection Agency, 1973. 160 p. (*See* PB-213 511.)

338.‡ The utilization of expert opinion in decision-making. A. J. Klee. *AIChE Journal*, 18(6):1107-1115, Nov. 1972.

---

†Out of print; available only from EPA libraries or Government Printing Office depository libraries.
‡Available in public and university libraries.

339. Sanitary landfilling; report on a joint conference sponsored by the National Solid Waste Management Association and the U.S. Environmental Protection Agency, Kansas City, Missouri, Nov. 14-15, 1972. J. E. Delaney, *comp.* Environmental Protection Publication SW-5p. [Washington], U.S. Environmental Protection Agency, 1973. 190 p.

340.† Who's on the clean-up crew? R. J. Black. *In* Polymers and ecological problems. J. Guillet, *ed.* New York, Plenum Publishing Corporation, 1973. p. 181-184.

341. Solid waste recycling projects; a national directory. P. Hansen, *comp.* Environmental Protection Publication SW-45. Washington, U.S. Government Printing Office, 1973. 284 p.

342. Improving rural solid waste management practices. T. L. Goldberg. Environmental Protection Publication SW-107. Washington, U.S. Government Printing Office, 1973. 83 p.

343. The national buyer's guide to recycled paper. S. Dane, *comp.* Washington, Environmental Educators, Inc., 1973. 208 p.

344. Recycling and the consumer; solid waste management. Environmental Protection Publication SW-117. [Washington], U.S. Environmental Protection Agency, 1974. 12 p.

345. Disposal of hazardous wastes; report to Congress. U.S. Environmental Protection Agency, Office of Solid Waste Management Programs. Environmental Protection Publication SW-115. Washington, U.S. Government Printing Office, 1974. 110 p.

346. The private sector in solid waste management; a profile of its resources and contribution to collection and disposal. v. 1-2. Applied Management Sciences, Inc. Environmental Protection Publication SW-51d.1. Washington, U.S. Environmental Protection Agency, 1973. 239 p.

347.‡ Shaving solid waste collection costs. G. A. Garland and B. R. Weddle. *Nation's Cities,* 12(2):13-14, 16-17, Feb. 1974.

348. Scrap tires as artificial reefs. R. B. Stone, C. C. Buchanan, and F. W. Steimle, Jr. Environmental Protection Publication SW-119. Washington, U.S. Government Printing Office, 1974. 33 p.

349. Films tell the solid waste management story. rev. ed. Washington, U.S. Government Printing Office, 1974. 6 p. [Film list.]

350. Resource recovery; the Federal perspective. J. H. Skinner. *Waste Age,* 5(1):12,14,54, Jan.-Feb. 1974.

351. Sanitary landfill synopsizer. J. E. Delaney and J. M. Sweeten. Cincinnati, U.S. Environmental Protection Agency, 1972. [2 p.] [Pocket calculator.]

352. Resource recovery and source reduction; first report to Congress. 3d ed. U.S. Environmental Protection Agency, Office of Solid Waste Management Programs. Environmental Protection Publication SW-118. Washington, U.S. Government Printing Office, 1974. 61 p.

353. Resource recovery and source reduction; second report to Congress. U.S. Environmental Protection Agency, Office of Solid Waste Management Programs. Environmental Protection Publication SW-122. Washington, U.S. Government Printing Office, 1974. 112 p.

354. Solving the abandoned car problem in small communities, W. T. Dehn. Environmental Protection Publication SW-70ts.1. Washington, U.S. Government Printing Office, 1974. 23 p.

---

†Out of print; available only from EPA libraries or Government Printing Office depository libraries.
‡Available in public and university libraries.

355. **Bird/aircraft hazards at airports near solid waste disposal sites.** G. R. Davidson, T. V. DeGeare, T. J. Sorg, and R. M. Clark. Environmental Protection Publication SW-116. Washington, U.S. Government Printing Office, 1974. 30 p.

356. Heuristic routing for solid waste collection vehicles. K. A. Shuster and D. A. Schur. Environmental Protection Publication SW-113. Washington, U.S. Government Printing Office, 1974. 45 p.

357. Statement; Samuel Hale, Jr., Deputy Assistant Administrator for Solid Waste Management Programs, before the Subcommittee on the Environment, Committee on Commerce, United States Senate, June 11, 1973 [and] June 22, 1973. S. Hale, Jr. [Washington, U.S. Environmental Protection Agency, 1974.] 43 p.

358. Statement of Arsen J. Darnay, Jr., Acting Deputy Assistant Administrator for Solid Waste Management Programs, Environmental Protection Agency, before the Subcommittee on Minerals, Materials and Fuels, Committee on Interior and Insular Affairs, United States Senate, Washington, D.C., October 30, 1973. A. Darnay. [Washington, U.S. Environmental Protection Agency, 1974.] 10 p.

359. EPA press briefing on solid waste management and energy, February 8, 1974. [Washington, U.S. Environmental Protection Agency, 1974.] 6 p., attachments.

360. Energy and the environment. T. F. Williams. Presented before the Plenary Session Panel "Counterpoint" at 20th Annual Meeting of Keep America Beautiful, Inc., New York, Dec. 5-6, 1973. [Washington, U.S. Environmental Protection Agency, 1974.] 6 p.

364. Environmental protection, residuals management, and resources–the future is now. A. Darnay. Presented at Annual Meeting of National Packaging Association, Boca Raton, Fla., Mar. 12-16, 1974. [Washington], U.S. Environmental Protection Agency, 1974. 23 p.

368. Gaseous emissions from municipal incinerators. A. A. Carotti and R. A. Smith. Environmental Protection Publication SW-18c. Washington, U.S. Government Printing Office, 1974. 61 p.

369. Size reduction of solid waste; an overview. J. F. Mank. Environmental Protection Publication SW-117. [Washington], U.S. Environmental Protection Agency, 1974. 8 p.

370. User's manual for COLMIS; a collection management information system for solid waste management. v. 1. Environmental Protection Publication SW-57c. Washington, U.S. Environmental Protection Agency, 1974. 99 p.

371. User's manual for COLMIS; a collection management information system for solid waste management. v. 2. Environmental Protection Publication SW-58c. Washington, U.S. Environmental Protection Agency, 1974. 49 p.

372. Illinois report probes citizens' attitudes on refuse problems. *Solid Wastes Management,* 17(2):19,51-53,66,70,72, Feb. 1974; 17(3):26,74,84-85, Mar. 1974. Reprinted, [Washington], U.S. Environmental Protection Agency, 1974. 6 p.

373. Basic issues on solid waste management affecting county government. National Association of Counties. [Washington], U.S. Environmental Protection Agency, May 1973. 40 p.

374. Users' guide to the solid waste information retrieval system thesaurus. J. A. Connolly, V. P. Fuschini, and S. S. Radinsky, *comps.* Environmental Protection Publication SW-104.01. Washington, U.S. Government Printing Office, 1974. 56 p.

375. Library holdings–nonperiodical; Federal solid waste management program, November 1972. R. Gill and M. Bolly. Environmental Protection Publication SW-123. Washington, U.S. Government Printing Office, 1974. 150 p.

order nos.

376. Pesticides and pesticide containers; regulations for acceptance and recommended procedures for disposal and storage. *Federal Register,* 39(85):15235-15241, May 1, 1974.

377. State solid waste management and resource recovery incentives act. *In* 1973 Suggested state legislation. v. 32. Lexington, Ky., The Council of State Governments, 1973. Reprinted, [Washington], U.S. Environmental Protection Agency, 1974. p. 63-76.

378. Energy conservation through improved solid waste management. R. A. Lowe, M. Loube, and F. A. Smith. Environmental Protection Publication SW-125. [Washington], U.S. Environmental Protection Agency, 1974. 39 p.

379. Environmental protection–the people's choice. T. F. Williams. Presented at 2d Northeast Regional Conference of the National Audubon Society, New Paltz, N.Y., June 8, 1974. [Washington, U.S. Environmental Protection Agency, 1974.] 17 p.

380. Waste management–private and public perspectives. A. Darnay. Presented at National Solid Waste Management Association's International Waste Equipment and Technology Exposition, Houston, June 25, 1974. [Washington], U.S. Environmental Protection Agency, 1974. 15 p.

381. Separating paper at the waste source for recycling. S. Lingle. Environmental Protection Publication SW-128. Washington, U.S. Government Printing Office, 1974. 16 p.

382. Incentives for tire recycling and reuse. I. Kiefer. Environmental Protection Publication SW-32c.1. Washington, U.S. Government Printing Office, 1974. 28 p.

383. Our effluent society; the States and solid waste management. The Council of State Governments. [Washington], U.S. Environmental Protection Agency, 1974. 41 p.

384. Sanitary landfill; a bibliography. R. L. Steiner and R. Kantz. Environmental Protection Publication SW-4rg.1. [Washington], U.S. Environmental Protection Agency, 1974. 34 p.

385. Thermal processing and land disposal of solid waste; guidelines. *Federal Register,* 39(158):29327-29338, Aug. 14, 1974.

386. Mechanics of style; a guide for Solid Waste Management authors, secretaries, grantees, and contractors. Office of Solid Waste Management Programs. Environmental Protection Publication SW-7.2. [Washington], U.S. Environmental Protection Agency, 1974. 20 p.

387. Refuse as a supplementary fuel for power plants–November 1973 through March 1974; interim progress report. G. W. Sutterfield. Environmental Protection Publication SW-36d.iii. [Washington], U.S. Environmental Protection Agency, July 1974. 25 p.

388. The demonstration of systems for recovering materials and energy from solid waste. J. H. Skinner. Presented at National Materials Conservation Symposium, National Bureau of Standards, Gaithersburg, Md., Apr. 29, 1974. [Washington], U.S. Environmental Protection Agency. 20 p.

389. COLMIS; a new solid waste management information system. Washington, U.S. Environmental Protection Agency, 1974. 6 p. [Flyer.]

390. Decision-makers guide in solid waste management. 2d ed. Environmental Protection Publication SW-500. Washington, U.S. Government Printing Office, 1976. 158 p.

391. Disposal of sewage sludge into a sanitary landfill. R. Stone, *comp.* Environmental Protection Publication SW-71d. Washington, U.S. Environmental Protection Agency, 1975. 418 p.

392. Malgastar causa necesidad. Washington, U.S. Environmental Protection Agency, 1974. [9 x 13-in. poster; Spanish version of "Waste not, want not."]

order nos.

393. State solid waste management agencies. [Washington], U.S. Environmental Protection Agency. [List, updated periodically.]

394. EPA publishes decision-makers guide for sanitation officials. R. A. Colonna. *Solid Wastes Management*, 17(7):30,34,37, July 1974.

395.† The Federal solid waste management programme; a review and prognosis. H. L. Hickman, Jr. Presented at 76th Annual Conference of Institute of Solid Wastes Management, Scarborough, England, June 18-21, 1974. London, Institute of Solid Wastes Management, 1974. 14 p.

396.‡ U.S. finds a rich resource; the nation's trash pile. *U.S. News & World Report*, 76(19):63-64,66, May 13, 1974.

397. Trends in wastepaper exports and their effects on domestic markets. F. L. Smith, Jr. Environmental Protection Publication SW-132. [Washington], U.S. Environmental Protection Agency, 1974. 17 p.

398.‡ Pesticides and pesticide containers; proposed regulations for prohibition of certain acts regarding disposal and storage. *Federal Register*, 39(200):36867-36870, Oct. 15, 1974.

399.‡ Federal program for hazardous waste management. J. P. Lehman. *Waste Age*, 5(6):6-7,66-68, Sept. 1974.

400.‡ The economics of separate refuse collection. R. P. Stearns and R. H. Davis. *Waste Age*, 5(3):6-8,10-11,14-15,130-131, May/June 1974.

401. Markets and technology for recovering energy from solid waste. S. J. Levy. Environmental Protection Publication SW-130. Washington, U.S. Environmental Protection Agency, 1974. 31 p.

402. Refuse shredders at EPA's Gainesville, Florida, experimental composting plant. J. A. Ruf. *Waste Age*, 5(3):58,60-63,66, May/June 1974.

403. Recycling and the consumer; solid waste management. Environmental Protection Publication SW-117.1. [Washington], U.S. Environmental Protection Agency, 1974. [16¾ x 22-in. two-sided sheet with information about recycling as well as illustrations of five recyclable materials, which can be made into a mobile.]

404. Debris accumulation in ancient and modern cities. C. G. Gunnerson. *Journal of the Environmental Engineering Division, Proceedings of the American Society of Civil Engineers*, 99(EE3):229-243, June 1973.

405. Resource and environmental profile analysis of nine beverage container alternatives; final report. v. 1-2. R. G. Hunt, W. E. Franklin, R. O. Welch, J. A. Cross, and A. E. Woodall. Environmental Protection Publication SW-91c. Washington, U.S. Environmental Protection Agency, 1974. 178 p.

406. Hospital wastes. I. Kiefer. Environmental Protection Publication SW-129. Washington, U.S. Government Printing Office, 1974. 36 p.

407. Fuel conservation in solid waste management. K. A. Shuster. *Virginia Town & City*, 9(12):7-9, Dec. 1974.

408. Recovering resources from solid waste using wet-processing; EPA's Franklin, Ohio, demonstration project. D. G. Arella. Environmental Protection Publication SW-47d. Washington, U.S. Government Printing Office, 1974. 26 p.

---

†Out of print; available only from EPA libraries or Government Printing Office depository libraries.

‡Available in public and university libraries.

409. A five-stage improvement process for solid waste collection systems. K. A. Shuster. Environmental Protection Publication SW-131. Washington, U.S. Government Printing Office, 1974. 38 p.

410. A legislative history of the Solid Waste Disposal Act, as amended, together with a section-by-section index. U.S. Congress, Senate, Committee on Public Works. Washington, U.S. Government Printing Office, 1974. 503 p.

411. Dumps; a potential threat to our groundwater supplies. B. R. Weddle and G. A. Garland. *Nation's Cities*, 12(10):21-22,24-25,42, Oct. 1974.

412.† St. Louis/Union Electric refuse firing demonstration air pollution test report. L. J. Shannon, M. P. Schrag, F. I. Honea, and D. Bendersky. Washington, U.S. Environmental Protection Agency, 1974. 107 p.

413.† Resource recovery and land protection; an environmental imperative. A. Darnay. Presented at Spring Meeting, Paperboard Group, American Paper Institute, Greenbrier, W. Va., May 21, 1974. New York, American Paper Institute, 1974. 7 p.

414. Recycle; use it again, Sam. [Washington, U.S. Environmental Protection Agency, 1974.] [Bumper sticker.]

415. Where have all the toxic chemicals gone? W. H. Walker. *Ground Water*, 11(2):11-20, Mar.-Apr. 1973. Reprinted, [Washington], U.S. Environmental Protection Agency, 1974. 10 p.

416. Source reduction fact sheet; Red Owl Stores program. [Washington], U.S. Environmental Protection Agency, [1974]. 3 p.

417.‡ Pyrolysis of municipal solid waste. S. J. Levy. *Waste Age*, 5(7):14-15,17-20, Oct. 1974.

418. One private plant treats oil, chemical residues in Denmark. P. Henriksen. *Solid Wastes Management*, 17(5):77-78, 139, May 1974.

419.† Suggested solid waste management ordinance for local government. National Association of Counties Research Foundation. Environmental Protection Publication SW-73d. [Washington], U.S. Environmental Protection Agency, 1974. 23 p.

420.‡ Paper recycling in the United States. S. A. Lingle. *Waste Age*, 5(8):6-8,10, Nov. 1974.

421.‡ There's gold in your garbage. B. Peterson. *Scouting*, 62(7):47-48,84-86, Oct. 1974. Reprinted, [Washington], U.S. Environmental Protection Agency, 1974. 4 p.

422. Packaging source reduction; can industry and government cooperate? E. L. Claussen. Environmental Protection Publication SW-136. [Washington], U.S. Environmental Protection Agency, 1974. 17 p.

423. Problem-solving in solid waste management through Federal-local cooperation; eight case studies. B. R. Weddle and M. Madison. Environmental Protection Publication SW-134. Washington, U.S. Government Printing Office, 1974. 40 p.

424. Más allá de la lata de basura. G. Allison, S. Mooser, and P. Taylor. Environmental Protection Publication SW-7tg. [Washington], U.S. Environmental Protection Agency, 1974. 23 p. [Spanish version of "Beyond the trash can."]

---

†Out of print; available only from EPA libraries or Government Printing Office depository libraries.

‡Available in public and university libraries.

order nos.

425. *See* 431.

426.‡ Health and safety in the solid waste industry. J. A. Cimino. *American Journal of Public Health,* 65(1):38-46, Jan. 1975.

427. Incineration in hazardous waste management. A. C. Scurlock, A. W. Lindsey, T. Fields, Jr., and D. R. Huber. Environmental Protection Publication SW-141. [Washington], U.S. Environmental Protection Agency, 1975. 104 p.

428. Liners for land disposal sites; an assessment. A. J. Geswein. Environmental Protection Publication SW-137. [Washington], U.S. Environmental Protection Agency, 1975. 66 p.

429.† Hazardous waste management facilities in the United States. A. J. Hayes. Environmental Protection Publication SW-146. [Washington], U.S. Environmental Protection Agency, Dec. 1974. 39 p.

430. Había una vez un dragón malvado. M. Finan. Environmental Protection Publication SW-105s. [Washington], U.S. Environmental Protection Agency, 1975. 31 p. [Spanish version of "Once there lived a wicked dragon."]

431. Baltimore demonstrates gas pyrolysis; resource recovery from solid waste. D. B. Sussman. Environmental Protection Publication SW-75d.i. Washington, U.S. Government Printing Office, 1975. 24 p.

432. A nationwide survey of resource recovery activities. L. McEwen. Environmental Protection Publication SW-142.1. [Washington], U.S. Environmental Protection Agency, 1976. (In press.)

433. Solid waste shredding and shredder selection. H. W. Rogers and S. J. Hitte. Environmental Protection Publication SW-140. [Washington], U.S. Environmental Protection Agency, Nov. 1974. 87 p.

434.† Residential collection systems. v. 1. Report summary. ACT Systems, Inc. Environmental Protection Publication SW-97c.1. [Washington], U.S. Environmental Protection Agency, 1974. 106 p.

435.‡ Leachate effects of improper land disposal. G. A. Garland and D. C. Mosher. *Waste Age,* 6(3):42,44-48, Mar. 1975.

436. Eleven residential pickup systems compared for cost and productivity. K. A. Shuster. *Solid Wastes Management,* 18(3):6,42-44, Mar. 1975.

437. An evaluation of the effectiveness and costs of regulatory and fiscal policy instruments on product packaging. T. H. Bingham et al. Environmental Protection Publication SW-74c. [Washington], U.S. Environmental Protection Agency, 1974. 301 p.

438.† Recycled materials markets; February 1975–a summary. S. A. Lingle. Environmental Protection Publication SW-149. [Washington], U.S. Environmental Protection Agency, Apr. 1975. 8 p.

439. [Regional solid waste management representatives. Washington, U.S. Environmental Protection Agency.] 1 p. [List, updated periodically.]

440. Improving productivity in solid waste collection; a brief for elected officials. Washington, National Commission on Productivity, 1974. 10 p.

441. Report of the Solid Waste Management Advisory Group on opportunities for improving productivity in solid waste collection–1973. Washington, National Commission on Productivity, 1974. 46 p.

---

†Out of print; available only from EPA libraries or Government Printing Office depository libraries.

‡Available in public and university libraries.

order nos.

442. San Diego County demonstrates pyrolysis of solid waste to recover liquid fuel, metals, and glass. S. J. Levy. Environmental Protection Publication SW-80d.2. Washington, U.S. Government Printing Office, 1975. 27 p.

443. Comparative estimates of post-consumer solid waste. F. A. Smith. Environmental Protection Publication SW-148. [Washington], U.S. Environmental Protection Agency, May 1975. 18 p.

444. The relationship of solid waste storage practices in the inner city to the incidence of rat infestation and fires. R. M. Wolcott and B. W. Vincent. Environmental Protection Publication SW-150. [Washington], U.S. Environmental Protection Agency, May 1975. 14 p.

445. A solid waste estimation procedure; material flows approach. F. L. Smith, Jr. Environmental Protection Publication SW-147. [Washington], U.S. Environmental Protection Agency, May 1975. 56 p.

446. What you can do to recycle more paper. Environmental Protection Publication SW-143. [Washington], U.S. Environmental Protection Agency, 1975. [12 p.]

447. Source reduction fact sheet; reducing waste at its source, program of International Paper Company and Wells Dairy. Washington, U.S. Environmental Protection Agency, May 1975. 2 p.

448. Resource recovery and waste reduction; third report to Congress. U.S. Environmental Protection Agency, Office of Solid Waste Management Programs. Environmental Protection Publication SW-161. Washington, U.S. Government Printing Office, 1975. 96 p.

449. Hazardous waste disposal damage reports. Environmental Protection Publication SW-151. [Washington], U.S. Environmental Protection Agency, June 1975. 8 p.

450. Hazardous wastes. Environmental Protection Publication SW-138. Washington, U.S. Government Printing Office, 1975. 24 p.

451. An accounting system for solid waste shredders. S. J. Hitte. Environmental Protection Publication SW-154. [Washington], U.S. Environmental Protection Agency, May 1975. 18 p.

452. Hazardous wastes and their management; environmental information. Washington, U.S. Environmental Protection Agency, May 1975. 3 p.

453. Industrial waste management; seven conference papers. Environmental Protection Publication SW-156. [Washington], U.S. Environmental Protection Agency, Feb. 1975. 111 p.

454. Solid wastes; proposed guidelines for storage and collection. U.S. Environmental Protection Agency. *Federal Register*, 40(134):29404-29408, July 11, 1975.

455. 1974 Highway litter study; report to Congress. U.S. Department of Transportation, Federal Highway Administration. House Document No. 93-326 (93d Congress, 2d Session). Washington, U.S. Government Printing Office, 1974. 77 p.

456. Reduce; targets, means and impacts of source reduction. D. Wahl and G. Allison. League of Women Voters Publication No. 576. Washington, League of Women Voters of the United States, 1975. 47 p.

457.† State activities in solid waste management, 1974. R. J. Black. Environmental Protection Publication SW-158. [Washington], U.S. Environmental Protection Agency, June 1975. 216 p.

458. Anaerobic digestion of solid waste and sewage sludge to methane. S. J. Hitte. Environmental Protection Publication SW-159. [Washington], U.S. Environmental Protection Agency, July 1975. 13 p.

---

†Out of print; available only from EPA libraries or Government Printing Office depository libraries.

459. Statement of Honorable John R. Quarles, Jr., Deputy Administrator, Environmental Protection Agency, before the Subcommittee on the Environment, Committee on Commerce, United States Senate, May 7, 1974. J. R. Quarles, Jr. Washington, U.S. Environmental Protection Agency, 1975. 14 p.

460. Win the war on waste. R. E. Train. Presented at 3d National Congress on Waste Management Technology and Resource Recovery, San Francisco, Nov. 14, 1974. [Washington, U.S. Environmental Protection Agency, 1975.] 15 p.

461. Proceedings; 1975 Conference on Waste Reduction, April 2-3, 1975, Washington, D.C. U.S. Environmental Protection Agency, Office of Solid Waste Management Programs. Environmental Protection Publication SW-7p. Washington, U.S. Government Printing Office, 1975. 152 p.

462. Questions and answers; returnable beverage containers for beer and soft drinks. [Washington, U.S. Environmental Protection Agency, Office of Solid Waste Management Programs], July 1975. [13 p.]

463. Solid waste management; guidelines for beverage containers. U.S. Environmental Protection Agency. *Federal Register*, 40(220):52968-52969, Nov. 13, 1975.

464. State program implementation guide: hazardous waste surveys. C. H. Porter. Environmental Protection Publication SW-160. [Washington], U.S. Environmental Protection Agency, July 1975. 38 p.

465. Paper recycling 1973: a dramatic year in perspective. S. A. Lingle. *In* Fiber Conservation and Utilization: Proceedings; Pulp and Paper Seminar, Chicago, May 1974. Reprinted, San Francisco, Miller Freeman Publications, Inc., 1975. 11 p.

466. Solid waste management today . . . bringing about municipal change. D. Wahl and R. L. Bancroft. *Nation's Cities*, 13(8):17-32, Aug. 1975.

467. Use of solid waste as a fuel by investor-owned electric utility companies: proceedings; EPA/Edison Electric Institute Meeting. R. A. Lowe. Environmental Protection Publication SW-6p. Washington, U.S. Environmental Protection Agency, July 1975. 27 p.

468. Information about hazardous waste management facilities. D. Farb and S. D. Ward. Environmental Protection Publication SW-145. [Washington], U.S. Environmental Protection Agency, Feb. 1975. 130 p.

469.† Summaries of solid waste management contracts; July 1, 1970–March 31, 1975. R. J. Black. Environmental Protection Publication SW-5.4. [Washington], U.S. Environmental Protection Agency, Aug. 1975. 37 p.

470. Resource recovery plant implementation: guides for municipal officials–further assistance. D. Hawkins. Environmental Protection Publication SW-157.8. [Washington], U.S. Environmental Protection Agency, [1975]. 29 p.

471. Resource recovery plant implementation: guides for municipal officials–financing. R. E. Randol. Environmental Protection Publication SW-157.4. [Washington], U.S. Environmental Protection Agency, [1975]. 20 p.

472. A handbook for initiating or improving commercial refuse collection. City of Scottsdale, Arizona. Environmental Protection Publication SW-85d. [Washington], U.S. Environmental Protection Agency, Aug. 1975. 68 p.

---

†Out of print; available only from EPA libraries or Government Printing Office depository libraries.

order nos.

473. Materials recovery; solid waste management guidelines for source separation. U.S. Environmental Protection Agency. *Federal Register,* 40(181):42986-42990, Sept. 17, 1975.

474. Tetrachlorodibenzodioxin: an accidental poisoning episode in horse arenas. C. D. Carter et al. *Science,* 188(4189):738-740, May 16, 1975.

475. Landfill disposal of hazardous wastes: a review of literature and known approaches. T. Fields, Jr., and A. W. Lindsey. Environmental Protection Publication SW-165. [Washington], U.S. Environmental Protection Agency, June 1975. 36 p.

476. The uses and abuses of waste. R. E. Train. *Compost Science,* 16(3):11-13, May-June 1975.

477. IRIS; injury reporting and information system for solid waste management. Washington, U.S. Environmental Protection Agency, [1975]. 5 p. [Flyer.]

478. IRIS; a new service for the solid waste management industry. Washington, U.S. Environmental Protection Agency, [1975]. 4 p.

479. Sanitary landfill: Clark County, Arkansas. [Arkadelphia, Ark., Clark County, 1975.] 9 p.

480. Resource recovery plant implementation: guides for municipal officials–interim report. A. Shilepsky. Environmental Protection Publication SW-152. [Washington], U.S. Environmental Protection Agency, Oct. 1975. 38 p.

481. Making refuse collection safer. S. D. Wener. *Nation's Cities,* 13(9):28-31, Sept. 1975.

482. Resource recovery plant cost estimates: a comparative evaluation of four recent dry-shredding designs. F. A. Smith. Environmental Protection Publication SW-163. [Washington], U.S. Environmental Protection Agency, Oct. 1975. 20 p.

483. Use of the water balance method for predicting leachate generation from solid waste disposal sites. D. G. Fenn, K. J. Hanley, and T. V. DeGeare. Environmental Protection Publication SW-168. [Washington], U.S. Environmental Protection Agency, Oct. 1975. 40 p.

484. Land availability, crop production, and fertilizer requirements in the United States. L. A. Prior. Environmental Protection Publication SW-166. [Washington], U.S. Environmental Protection Agency, Oct. 1975. 99 p.

485. The big pickup–a new publication from the Office of Solid Waste Management Programs. Washington, U.S. Environmental Protection Agency, [1975]. 1 p. [Flyer.]

486. Residential paper recovery; a municipal implementation guide. P. Hansen. Environmental Protection Publication SW-155. [Washington], U.S. Environmental Protection Agency, 1975. 26 p.

487. Beverage containers: the Vermont experience. M. Loube. Environmental Protection Publication SW-139. [Washington], U.S. Environmental Protection Agency, 1975. 16 p.

488. Composting at Johnson City; final report on joint USEPA-TVA composting project with operational data, 1967 to 1971. v. 1-2. G. E. Stone and C. C. Wiles. Environmental Protection Publication SW-31r.2 [Washington], U.S. Environmental Protection Agency, 1975. 336 p.

489. A summary of hazardous substance classification systems. A. M. Kohan. Environmental Protection Publication SW-171. [Washington], U.S. Environmental Protection Agency, 1975. 55 p.

490. Guidelines for procurement of products that contain recycled material. U.S. Environmental Protection Agency. *Federal Register,* 41(10):2356-2363, Jan. 15, 1976.

order nos.

491. Mineral recovery from the noncombustible fraction of municipal solid waste; a proposed project to demonstrate incinerator residue recovery. D. G. Arella and Y. M. Garbe. Environmental Protection Publication SW-82d.1. [Washington], U.S. Environmental Protection Agency, Dec. 1975. 14 p.

492. Hazardous waste disposal damage reports. Office of Solid Waste Management Programs. Environmental Protection Publication SW-151.2. [Washington], U.S. Environmental Protection Agency, Dec. 1975. 11 p.

493. Resource recovery plant implementation: guides for municipal officials–accounting format. Environmental Protection Publication SW-157.6. [Washington], U.S. Environmental Protection Agency, [1976]. 17 p.

494. Damage incidents from improper land disposal. *Journal of Hazardous Materials,* 1(2):157-164, Jan. 1976.

495. Resource recovery plant implementation: guides for municipal officials–procurement. Mitre Corporation. Environmental Protection Publication SW-157.5. [Washington], U.S. Environmental Protection Agency, [1976]. 66 p.

496. Resource recovery plant implementation: guides for municipal officials–risks and contracts. R. E. Randol. Environmental Protection Publication SW-157.7. [Washington], U.S. Environmental Protection Agency, 1976. 52 p.

498. Quantity and composition of post-consumer solid waste: material flow estimates for 1973 and baseline future projections. F. A. Smith. *Waste Age,* 7(4)2,6-8,10, Apr. 1976.

500. Reduce the incentive to waste. J. H. Skinner. Paper No. 7d. Presented at 80th National Meeting, American Institute of Chemical Engineers, Boston, Sept. 8, 1975. 9 p.

502. Hazardous wastes, the gross national byproduct; a new publication from the Office of Solid Waste Management. Environmental Protection Publication SW-502. Washington, U.S. Environmental Protection Agency, [1976]. 1 p. [Flyer.]

503. Saving the energy in solid waste; environmental information. Washington, U.S. Environmental Protection Agency, [1976]. 4 p.

504. Guidelines for the storage and collection of residential, commercial, and institutional solid waste. U.S. Environmental Protection Agency. *Federal Register,* 41(31):6766-6772, Feb. 13, 1976.

505. Waste reduction and resource recovery–there's room for both. N. Humber. *Waste Age,* 6(11):38,40-41,44, Nov. 1975.

506. Ultimate disposal of spilled hazardous materials. A. W. Lindsey. *Chemical Engineering,* 82(23):107-114, Oct. 27, 1975.

507. EPA employees provide paper for recycling; environmental news. Washington, U.S. Environmental Protection Agency, [1976]. 2 p. [Press release.]

510. Demonstrating multimaterial source separation in Somerville and Marblehead, Massachusetts. P. Hansen and J. Ramsey. *Waste Age,* 7(2): 26-27,48, Feb. 1976.

511. Wastepaper recycling: review of recent market demand and supply. F. L. Smith, Jr. *Pulp & Paper,* 49(10):148-151, Sept. 1975.

512. State program implementation guide: hazardous waste transportation control. C. H. Porter. Environmental Protection Publication SW-512. [Washington], U.S. Environmental Protection Agency, Mar. 1976. 35 p.

order nos.

515. Conservation and common sense. T. F. Williams. Presented at National Conference "Land Application of Waste Materials," Soil Conservation Society of America, Des Moines, Mar. 17, 1976. [Washington], U.S. Environmental Protection Agency. 21 p.

516. PCB-containing wastes (industrial facilities); recommended procedures for disposal. U.S. Environmental Protection Agency. *Federal Register*, 41(64):14134-14136, Apr. 1, 1976.

525. Solid waste management: horizons unlimited R. E. Train. Presented at International Waste Equipment and Technology Exposition, Chicago, June 2, 1976. Washington, U.S. Environmental Protection Agency. 16 p.

526. Status of solid waste management in the United States. S. Meyers. Presented at 2d International Congress of the International Solid Wastes Association, Padua, June 24, 1976. Washington, U.S. Environmental Protection Agency. (In press.)

528. Resource recovery technology update from the U.S. EPA: status report on resource recovery technology: demonstrating resource recovery. S. Lingle, ed. *Waste Age*, 7(6):19: 22,26,42,44-46, June 1976.

ntis reports

The following solid waste management publications are available from the National Technical Information Service, U.S. Department of Commerce, Springfield, Virginia 22161. The price for a microfiche film copy of each is $2.25; see back of catalog for paper copy prices.

ntis order nos.*	
PB-187 286	Special studies for incinerators for the government of the District of Columbia, Department of Sanitary Engineering. Day & Zimmerman. U.S. Department of Health, Education, and Welfare, 1968. 80 p.
PB-187 299	Combustion power unit-400 (CPU-400); a technical abstract. Combustion Power Company, Inc. U.S. Department of Health, Education, and Welfare, 1969. 15 p.
PB-187 301	Land reclamation project; an interim report. Harza Engineering Company. U.S. Department of Health, Education, and Welfare, 1968. [338 p.]
PB-187 306	Rail transport of solid wastes–a feasibility study; interim report, phase one. American Public Works Association Research Foundation. U.S. Department of Health, Education, and Welfare, 1969. 168 p.
PB-187 311	Gainesville compost plant; an interim report. Gainesville Municipal Waste Conversion Authority, Inc. U.S. Department of Health, Education, and Welfare, 1969. 345 p.
PB-187 712	Technical-economic study of solid waste disposal needs and practices. Combustion Engineering, Inc. Public Health Service Publication No. 1886. Washington, U.S. Government Printing Office, 1969. [705 p.]
PB-196 148	Special studies of a sanitary landfill. R. C. Merz and R. Stone. U.S. Department of Health, Education, and Welfare, 1970. [222 p.]
PB-197 623	Collection, reduction, and disposal of solid waste in high-rise multifamily dwellings. National Academy of Sciences–National Research Council. U.S. Environmental Protection Agency, 1971. 169 p.
PB-197 931	Satellite vehicle systems for solid waste collection; evaluation and application. R. A. Perkins. Environmental Protection Publication SW-82ts. U.S. Environmental Protection Agency, 1971. 243 p.
PB-201 205	Codification of solid waste management authority in Kentucky; appendix A. Kentucky State Department of Health. U.S. Environmental Protection Agency, 1971. 175 p.
PB-202 202	Organic pesticides and pesticide containers; a study of their decontamination and combustion. R. C. Putnam, F. Ellison, R. Protzmann, and J. Hilovsky. Environmental Protection Publication SW-21c. U.S. Environmental Protection Agency, 1971. 175 p.
PB-208 154	Mathematical modeling and computer simulation for designing municipal refuse collection and haul services. S. Wersan, J. Quon, and A. Charnes. Environmental Protection Publication SW-6rg. U.S. Environmental Protection Agency, 1971. 446 p.
PB-208 674	Evaluation, extraction, and recycling of certain solid waste components. Great Lakes Research Institute. Environmental Protection Publication SW-35d. U.S. Environmental Protection Agency, 1972. 110 p.

---

*See order form for NTIS reports in back of catalog.

order nos.	
PB-209 001	Pollution of subsurface water by sanitary landfills. v. 2. A. A. Fungaroli. Environmental Protection Publication SW-12rg.1. U.S. Environmental Protection Agency, 1971. 216 p.
PB-209 002	Pollution of subsurface water by sanitary landfills. v. 3. A. A. Fungaroli. Environmental Protection Publication SW-12rg.2. U.S. Environmental Protection Agency, 1971. 169 p.
PB-212 398	Rural storage and collection container systems. Humboldt County and Garretson-Elmendorf-Zinov-Reibin. Environmental Protection Publication SW-41d.i. U.S. Environmental Protection Agency, 1972. 146 p.
PB-212 589	Evaluation of a multi-functional machine for use in sanitary landfill operations in sprasely populated areas. V. L. Hammond. Environmental Protection Publication SW-39d. U.S. Environmental Protection Agency, 1972. 209 p.
PB-212 590	The use of bags for solid waste storage and collection. Ralph Stone and Company, Inc. Environmental Protection Publication SW-42d. U.S. Environmental Protection Agency, 1972. 264 p.
PB-212 792	A study to identify opportunities for increased solid waste utilization. v. 1. General report. Battelle Memorial Institute. Environmental Protection Publication SW-40d.1. U.S. Environmental Protection Agency, 1972. 178 p.
PB-212 730	A study to identify opportunities for increased solid waste utilization. v. 2-7. Aluminum, copper, lead, zinc, nickel and stainless steel, and precious metal reports. Battelle Memorial Institute. Environmental Protection Publication SW-40d. U.S. Environmental Protection Agency, 1972. 608 p.
PB-212 731	A study to identify opportunities for increased solid waste utilization. v. 8-9. Paper and textile reports. Battelle Memorial Institute. Environmental Protection Publication SW-40d.3. U.S. Environmental Protection Agency, 1972. 342 p.
PB-213 133	Solid waste handling and disposal in multistory buildings and hospitals. v. 2. Observations of local practices. Esco/Greenleaf. Environmental Protection Publication SW-34d.2. U.S. Environmental Protection Agency, 1972. [301 p.]
PB-213 135	Solid waste handling and disposal in multistory buildings and hospitals. v. 4. Selection and design of solid waste systems. Esco/Greenleaf. Environmental Protection Publication SW-34d.4. U.S. Environmental Protection Agency, 1972. [189 p.]
PB-213 308	Management information for solid waste collection. R. M. Clark. U.S. Environmental Protection Agency, 1972. 18 p.
PB-213 311	Analysis of Federal programs affecting solid waste generation and recycling. SCS Engineers. U.S. Environmental Protection Agency, 1972. 153 p.
PB-213 340	Metropolitan housewives' attitudes toward solid waste disposal. National Analysts, Inc. U.S. Environmental Protection Agency, 1972. [114 p.]
PB-213 341	The beverage container problem; analysis and recommendations. T. H. Bingham and P. F. Mulligan. U.S. Environmental Protection Agency, 1972. 201 p.
PB-213 378	Corrosion studies in municipal incinerators. Battelle Columbus Laboratories. U.S. Environmental Protection Agency, 1972. 120 p.
PB-213 394	Urban solid waste management; economic case study. R. M. Clark. U.S. Environmental Protection Agency, 1972. 21 p.

order nos.	
PB-213 482	An investment decision model for control technology. R. M. Clark. U.S. Environmental Protection Agency, 1972. 20 p.
PB-213 487	Landfill decomposition gases; an annotated bibliography. J. A. Geyer. U.S. Environmental Protection Agency, 1972. 28 p.
PB-213 488	An investigation of the biodegradability of packaging plastics. J. E. Potts, R. A. Clendinning, and W. B. Ackart. U.S. Environmental Protection Agency, 1972. 80 p.
PB-213 511	Solid waste transfer stations; a state-of-the-art report on systems incorporating highway transportation. T. A. Hegdahl. U.S. Environmental Protection Agency, 1972. 160 p.
PB-213 577	Identification of opportunities for increased recycling of ferrous solid waste. W. J. Regan, R. W. James, and T. J. McLeer [Institute of Scrap Iron and Steel, Inc.]. Environmental Protection Publication SW-45d. U.S. Environmental Protection Agency, 1972. 391 p.
PB-213 646	Solid waste and fiber recovery demonstration plant for the City of Franklin, Ohio; an interim report. N. T. Neff [A. M. Kinney, Inc.]. Environmental Protection Publication SW-47d.i. U.S. Environmental Protection Agency, 1972. 83 p.
PB-213 697	Ski mountain; a conceptual feasibility study in solid waste management. Metropolitan Sanitary District of Greater Chicago. Environmental Protection Publication SW-46d. U.S. Environmental Protection Agency, 1972. [324 p.]
PB-214 045	Incentives for recycling and reuse of plastics. J. Milgrom [Arthur D. Little, Inc.]. Environmental Protection Publication SW-41c. U.S. Environmental Protection Agency, 1972. 316 p.
PB-214 166	Generation of steam from solid wastes. Metcalf & Eddy, Inc., and City of Lynn, Massachusetts. Environmental Protection Publication SW-49d. U.S. Environmental Protection Agency, 1972. 139 p.
PB-214 960	Baling solid waste to conserve sanitary landfill space; a feasibility study. City of San Diego. Environmental Protection Publication SW-44d. U.S. Environmental Protection Agency, 1973. 89 p.
PB-215 722	Cellulose degradation in composting. R. Regan et al. U.S. Environmental Protection Agency, 1973. 153 p.
PB-218 672	Development of construction and use criteria for sanitary landfills; final report on a solid waste management demonstration grant. County of Los Angeles, Department of County Engineer, and Engineering-Science, Inc. Environmental Protection Publication SW-19d. U.S. Environmental Protection Agency, 1973. [511 p.]
PB-219 019	Solid waste management in the food processing industry A. M. Katsuyama, N. A. Olson, R. L. Quirk, and W. A. Mercer [National Canners Association]. Environmental Protection Publication SW-42c. U.S. Environmental Protection Agency, 1973. 304 p.
PB-219 372	Analysis of airport solid wastes and collection systems; San Francisco International Airport. Metcalf & Eddy, Inc. Environmental Protection Publication SW-48d. U.S. Environmental Protection Agency, 1973. 137 p.
PB-220 316	Solid waste as fuel for power plants. Horner & Shifrin, Inc. Environmental Protection Publication SW-36d. U.S. Environmental Protection Agency, 1973. 146 p.
PB-220 479	Physical, chemical, and microbiological methods of solid waste testing. D. F. Bender, M. L. Peterson, and H. Stierli. U.S. Environmental Protection Agency, 1973. 203 p.

order nos.	
PB-221 095	Investigation of corrosion-deposition phenomena on gas turbine blades. L. R. Fleischer. U.S. Environmental Protection Agency, 1973. [44 p.]
PB-221 171	Biological conversion of animal wastes to nutrients. B. F. Miller. U.S. Environmental Protection Agency, 1973. [82 p.]
PB-221 172	Preparation and evaluation of activated carbon produced from municipal refuse. M. K. Stevenson, J. O. Leckie, and R. Eliassen. U.S. Environmental Protection Agency, 1973. [150 p.]
PB-221 239	Acid hydrolysis of cellulose in refuse to sugar and its fermentation to alcohol. A. O. Converse, H. E. Grethlein, S. Karandikar, and S. Kuhrtz. U.S. Environmental Protection Agency, 1973. [113 p.]
PB-221 464-Set	A study of hazardous waste materials, hazardous effects and disposal methods. Booz Allen Applied Research, Inc. U.S. Environmental Protection Agency, 1973. 3 v.
	PB-221 465 v. 1. Purpose, scope, approach and principal findings of study. [408 p.]
	PB-221 466 v. 2. [544 p.]
	PB-221 467 v. 3. [460 p.]
PB-221 621	A recirculating waste system for swine units. J. R. Miner. U.S. Environmental Protection Agency, 1973. [247 p.]
PB-221 681	Study of the economics of hospital solid waste systems. R. G. Bond et al. U.S. Environmental Protection Agency, 1973. [329 p.]
PB-221 684	Municipal waste disposal by shipborne incineration and sea disposal of residues. M. W. First et al. U.S. Environmental Protection Agency, 1973. [603 p.]
PB-221 731	Incineration of bulky refuse without prior shredding. E. R. Kaiser, D. Kasner, and C. Zimmer. U.S. Environmental Protection Agency, 1973. 91 p.
PB-221 851	First annual progress report on a study of corrosion in municipal incinerators. D. A. Vaughan and P. D. Miller. U.S. Environmental Protection Agency, 1973. 34 p.
PB-221 876	Utilization of bark waste. R. A. Currier and M. L. Laver. U.S. Environmental Protection Agency, 1973. 185 p.
PB-221 877	Radiolytic hydrolysis of cellulose. J. A. Kelly. U.S. Environmental Protection Agency, 1973. [26 p.]
PB-221 879	An analysis of the abandoned automobile problem. Booz Allen Applied Research, Inc. U.S. Environmental Protection Agency, 1973. [196 p.]
PB-222 000	Design and simulation of equalization basins. R. Smith, R. G. Eilers, and E. D. Hall. U.S. Environmental Protection Agency, 1973. [58 p.]
PB-222 001	Combustion products from the incineration of plastics. E. A. Boettner, G. L. Ball, and B. Weiss. U.S. Environmental Protection Agency, 1973. [155 p.]
PB-222 015	Pyrolysis of solid municipal wastes. D. A. Hoffman. U.S. Environmental Protection Agency, 1973. [78 p.]
PB-222 018	Hospital solid waste disposal in community facilities. A. F. Iglar and R. G. Bond. U.S. Environmental Protection Agency, 1973. [350 p.]

order nos.	
PB-222 029	A mathematical model for aerobic digestion. R. Smith, R. G. Eilers, and E. D. Hall. U.S. Environmental Protection Agency, 1973. 50 p.
PB-222 031	Mathematical model for post aeration. R. Smith, R. G. Eilers, and E. D. Hall. U.S. Environmental Protection Agency, 1973. 44 p.
PB-222 051	Wood waste reuse in controlled release pesticides. G. G. Allan et al. U.S. Environmental Protection Agency, 1973. [97 p.]
PB-222 052	Use of domestic waste glass for urban paving. W. R. Malisch, D. E. Day, B. G. Wixson. U.S. Environmental Protection Agency, 1973. [107 p.]
PB-222 113	Biological consequences of plant residue decomposition in soil. W. C. Snyder, Z. A. Patrick, and A. R. Weinhold. U.S. Environmental Protection Agency, 1972. 136 p.
PB-222 115	The nitrite-accelerated photochemical degradation of cellulose as a pretreatment for microbiological conversion to protein. A. Fookson and G. Frohnsdorff. U.S. Environmental Protection Agency, 1973. [102 p.]
PB-222 148	The effect of processing poultry manure on disease agents. J. R. Howes, C. F. Hall, and W. F. Krueger. U.S. Environmental Protection Agency, 1973. [36 p.]
PB-222 160	Microbiological studies of compost plant dust. D. H. Armstrong and M. L. Peterson. U.S. Environmental Protection Agency, 1972. [20 p.]
PB-222 165	Tentative procedure analyzing pesticide residues in solid waste. R. A. Carnes. U.S. Environmental Protection Agency, 1972. [23 p.]
PB-222 337	Survival of pathogens in animal manure disposal. S. L. Diesch, B. S. Pomeroy, and E. R. Allred. U.S. Environmental Protection Agency, 1973. [134 p.]
PB-222 354	Study of utilization and disposal of lime sludges containing phosphates. R. E. Opferkuch et al. U.S. Environmental Protection Agency, 1973. 119 p.
PB-222 396	Thermophilic aerobic digestion of organic solid wastes. J. F. Andrews and K. Kambhu. U.S. Environmental Protection Agency, 1973. [83 p.]
PB-222 419	Studies on modifications of solid industrial wastes. C. S. Grove and C. M. Antoni. U.S. Environmental Protection Agency, 1973. [179 p.]
PB-222 422	Composted municipal refuse as a soil amendment. C. C. Hortenstine and D. F. Rothwell. U.S. Environmental Protection Agency, 1973. [67 p.]
PB-222 454	Photosynthetic reclamation of agricultural solid and liquid wastes. C. G. Golueke et al. U.S. Environmental Protection Agency, 1973. [94 p.]
PB-222 458	A study of incinerator residue analysis of water soluble components. R. J. Schoenberger and P. W. Purdom. U.S. Environmental Protection Agency, 1973. [316 p.]
PB-222 467	Problems and opportunities in management of combustible solid wastes. International Research and Technology Corporation. U.S. Environmental Protection Agency, 1973. [517 p.]
PB-222 468	Preventing landfill leachate contamination of water. E. J. Wren. U.S. Environmental Protection Agency, 1973. [120 p.]

order nos.	
PB-222 588	Marketability of recovered and clarified incinerator residue in the New York metropolitan area. Leonard S. Wegman Co., Inc. Environmental Protection Publication SW-53d. U.S. Environmental Protection Agency, 1973. 188 p.
PB-222 694	Study of the technical and economic feasibility of a hydrogenation process for utilization of waste rubber. R. H. Wolk and C. A. Battista. U.S. Environmental Protection Agency, 1973. [155 p.]
PB-222 709	Rail transport of solid wastes. American Public Works Association. Environmental Protection Publication SW-22d. U.S. Environmental Protection Agency, 1973. 148 p.
PB-222 710	Gainesville compost plant; final report on a solid waste management demonstration. v. 1-2. Gainesville Municipal Waste Conversion Authority, Inc., and Environmental Engineering, Inc. Environmental Protection Publication SW-21d. U.S. Environmental Protection Agency, 1973. 237 p.
PB-222 995	Systems simulation and solid waste; a case study. R. M. Clark and J. I. Gillean. U.S. Environmental Protection Agency, 1973. [40 p.]
PB-223 034	Economic and technological impediments to recycling obsolete ferrous solid waste. O. W. Albrecht and R. G. McDermott. U.S. Environmental Protection Agency, 1973. [62 p.]
PB-223 162	Pneumo-slurry pipeline collection and removal of municipal solid waste. I. Zandi. U.S. Environmental Protection Agency, 1973. [128 p.]
PB-223 343	Sludge conditioning using sulfur dioxide and low pressure for production of organic feed concentrate. M. S. Weinberg et al. U.S. Environmental Protection Agency, 1973. 90 p.
PB-223 345	A study of institutional solid wastes. J. C. Burchinal and L. P. Wallace. U.S. Environmental Protection Agency, 1973. 245 p.
PB-223 430	Poultry manure disposal by plow-furrow-cover. H. E. Besley. U.S. Environmental Protection Agency, 1973. 202 p.
PB-223 625	Utilization of fibrous wastes as sources of nutrients. J. M. Leatherwood. U.S. Environmental Protection Agency, 1973. 16 p.
PB-223 626	Design and control of incinerators. v. 1-2. A. F. Sarofim et al. U.S. Environmental Protection Agency, 1973. 299 p.
PB-223 638	Public attitudes towards hazardous waste disposal facilities. L. L. Lackey et al. U.S. Environmental Protection Agency, 1973. 181 p.
PB-223 651	Incineration of plastics found in municipal wastes. R. W. Heimberg et al. U.S. Environmental Protection Agency, 1973. 246 p.
PB-223 740	The metallurgical upgrading of automotive scrap steel. O. N. Carlson and F. A. Schmidt. U.S. Environmental Protection Agency, 1973. 90 p.
PB-223 873	Single-cell proteins from cellulosic wastes. C. D. Callihan and C. E. Dunlap. U.S. Environmental Protection Agency, 1973. 89 p.

order nos.	
PB-224 579-Set	Recommended methods of reduction, neutralization, recovery or disposal of hazardous waste. R. S. Ottinger et al. [TRW Systems Group]. U.S. Environmental Protection Agency, 1973. 16 v.
	PB-224 580 v. 1. Summary report. 210 p.
	PB-224 581 v. 2. Toxicologic summary. 244 p.
	PB-224 582 v. 3. Ultimate incineration. 251 p.
	PB-224 583 v. 4. Miscellaneous waste treatment processes. 149 p.
	PB-224 584 v. 5. Pesticides and cyanide compounds. 146 p.
	PB-224 585 v. 6. Mercury, arsenic, chromium, and cadmium compounds. 207 p.
	PB-224 586 v. 7. Propellants, explosives, and chemical warfare materiel. 266 p.
	PB-224 587 v. 8. Miscellaneous inorganic and organic compounds. 79 p.
	PB-224 588 v. 9. Radioactive materials. 168 p.
	PB-224 589 v. 10. Organic compounds. 316 p.
	PB-224 590 v. 11. Organic compounds (continued). 247 p.
	PB-224 591 v. 12. Inorganic compounds. 330 p.
	PB-224 592 v. 13. Inorganic compounds (continued). 290 p.
	PB-224 593 v. 14. Summary of waste origins. 160 p.
	PB-224 594 v. 15. Research and development plans. 109 p.
	PB-224 595 v. 16. References. 424 p.
PB-224 820	Reuse of solid waste from water-softening processes. R. D. Nelson and E. Vey [IIT Research Institute]. U.S. Environmental Protection Agency, 1973. 108 p.
PB-224 996	Effective use of high water table areas for sanitary landfill; second annual report. VTN, Inc. Environmental Protection Publication SW-57d. U.S. Environmental Protection Agency, 1973. 172 p.
PB-225 020	Socio-economic factors affecting demand for municipal collection of household refuse. University of Chicago. U.S. Environmental Protection Agency, 1973. 58 p.
PB-225 159	Buffalo's crusher facility for bulky solid waste. Leonard S. Wegman Co., Inc. Environmental Protection Publication SW-60d. U.S. Environmental Protection Agency, 1973. 79 p.
PB-225 160	Dairy waste management. C. L. Senn. Environmental Protection Publication SW-58d. U.S. Environmental Protection Agency, 1973. 152 p.
PB-225 164	Alternatives to the management of hazardous wastes at national disposal sites. Arthur D. Little, Inc. Environmental Protection Publication SW-46c. U.S. Environmental Protection Agency, 1973. 85 p.

order nos.	
PB-225 291	Tampa's municipal solid waste management system; a case study. Applied Management Sciences, Inc. Environmental Protection Publication SW-52c. U.S. Environmental Protection Agency, 1973. 93 p.
PB-225 296	Forsyth County's solid waste management system; a case study. Applied Management Sciences, Inc. Environmental Protection Publication SW-50c. U.S. Environmental Protection Agency, 1973. 88 p.
PB-225 299	Houston's municipal solid waste management system; a case study. Applied Management Sciences, Inc. Environmental Protection Publication SW-51c. U.S. Environmental Protection Agency, 1973. 79 p.
PB-225 332	Public regulation concept in solid waste management; a feasibility study. Applied Management Sciences, Inc. Environmental Protection Publication SW-54d. U.S. Environmental Protection Agency, 1973. 114 p.
PB-225 333	Solid waste management in the drug industry. D. M. Shilesky, K. W. Krause, and R. J. Sullivan. Environmental Protection Publication SW-44c. U.S. Environmental Protection Agency, 1973. 102 p.
PB-225 346	Building an amphitheater and coasting ramp of municipal solid waste. v. 1-2. W. M. Beck, Jr. Environmental Protection Publication SW-52d.of. U.S. Environmental Protection Agency, 1973. 265 p.
PB-225 360-Set	Sewage sludge disposal in a sanitary landfill. Ralph Stone and Company, Inc. Environmental Protection Publication SW-61d. U.S. Environmental Protection Agency, 1973. 2 v.
	PB-225 361 v. 1. Summary and conclusions. 22 p.
	PB-225 362 v. 2. Description of study and technical data. 376 p.
PB-226 042	Solid waste management study for the Port of Tacoma. Kaiser Engineers. Environmental Protection Publication SW-55d. U.S. Environmental Protection Agency, 1973. 107 p.
PB-226 099	Developing a local and regional solid waste management plan. R. O. Toftner. Environmental Protection Publication SW-101ts.1. U.S. Environmental Protection Agency, 1974. 35 p.
PB-226 420	Solid waste management in the industrial chemical industry. K. Holcombe and P. W. Kalika. Environmental Protection Publication SW-33c. U.S. Environmental Protection Agency, 1973. 225 p.
PB-226 551	Size-reduction equipment for municipal solid waste. v. 1. Procedures for evaluating and comparing equipment. v. 2. Inventory of equipment. Midwest Research Institute. Environmental Protection Publication SW-53c. U.S. Environmental Protection Agency, 1973. 126 p.
PB-227 005	Costs of hauling and land spreading of domestic sewage treatment plant sludge. W. F. McMichael. U.S. Environmental Protection Agency, 1974. 19 p.
PB-227 075	A model for optimal design and operation of solid waste transfer stations. H. J. Yaffe. National Science Foundation and U.S. Environmental Protection Agency, 1974. 118 p.
PB-227 708	Hospital solid waste; an annotated bibliography. R. D. Singer et al. U.S. Environmental Protection Agency, 1973. 205 p.
PB-228 119	Waste wood and bulky refuse disposal; St. Louis facilities. City of St. Louis, Missouri. Environmental Protection Publication SW-63d. U.S. Environmental Protection Agency, 1974. 50 p.

order nos.	
PB-228 161	Baltimore's municipal solid waste management system; a case study. Applied Management Sciences, Inc. Environmental Protection Publication SW-49c. U.S. Environmental Protection Agency, 1974. 110 p.
PB-229 220	A case study and business analysis of the scrap industry. Resource Planning Institute. U.S. Environmental Protection Agency, 1974. 129 p.
PB-229 246	Chemical conversion of wood and cellulosic wastes. F. Shafizadeh et al. U.S. Environmental Protection Agency, 1974. 60 p.
PB-229 256	Feasibility of hydraulic transport and treatment of ground household refuse through sewers. A. R. Guzdar and S. S. Rhee. U.S. Environmental Protection Agency, 1974. 222 p.
PB-229 727	Can Federal procurement practices be used to reduce solid wastes? J. Milgrom. U.S. Environmental Protection Agency, 1974. 232 p.
PB-229 816	Raw materials transportation costs and their influence on the use of wastepaper and scrap iron and steel. v. 1. J. F. Foran et al. U.S. Environmental Protection Agency, 1974. 207 p.
PB-229 817	Raw materials transportation costs and their influence on the use of wastepaper and scrap iron and steel. v. 2. J. F. Foran et al. U.S. Environmental Protection Agency, 1974. 100 p.
PB-229 901	An infrared spectral sensor for refuse sorting. P. F. Winkler. U.S. Environmental Protection Agency, 1974. 81 p.
PB-230 379	Sonoma County solid waste stabilization study. EMCON Associates. Environmental Protection Publication SW-65d. U.S. Environmental Protection Agency, 1974. 224 p.
PB-231 176	Reclamation of energy from organic waste. J. T. Pfeffer. U.S. Environmental Protection Agency, 1974. 143 p.
PB-231 203	Physical, chemical, and microbiological methods of solid waste testing; four additional methods. N. Ulmer. U.S. Environmental Protection Agency, 1974. 51 p.
PB-231 309	Optimization models for regional public systems. K. S. Vasan. National Science Foundation and U.S. Environmental Protection Agency, 1974. 137 p.
PB-232 559	Scrap rubber tire utilization in road dressings. B. G. Brand. U.S. Environmental Protection Agency, 1974. 51 p.
PB-233 178	The chemical conversion of solid wastes to useful products. J. F. Barbour, R. R. Groner, and V. H. Freed. U.S. Environmental Protection Agency, 1974. 168 p.
PB-233 360	Optimal configuration of a regional solid waste management system. A. A. Pathak. National Science Foundation and U.S. Environmental Protection Agency, 1974. 209 p.
PB-233 441	Dairy manure management methods. Washington State University. Environmental Protection Publication SW-67d. U.S. Environmental Protection Agency, 1974. 128 p.
PB-233 630	Program for the management of hazardous wastes. v. 1. Battelle Memorial Institute. U.S. Environmental Protection Agency, 1974. 385 p.
PB-233 631	Program for the management of hazardous wastes. v. 2. Battelle Memorial Institute. U.S. Environmental Protection Agency, 1974. 778 p.
PB-233 641	An ion-exchange process for recovery of chromate from pigment manufacturing. D. J. Robinson et al. U.S. Environmental Protection Agency, 1974. 92 p.

order nos.	
PB-233 871	Transportation rates and costs for selected virgin and secondary commodities. Moshman Associates, Inc. U.S. Environmental Protection Agency, 1974. 234 p.
PB-233 873	The Des Moines story; a report on the implementation of the solid waste management plan for the Des Moines Metropolitan Area Solid Waste Agency. R. C. Porter and Henningson, Durham, and Richardson. Environmental Protection Publication SW-70d. U.S. Environmental Protection Agency, 1974. 272 p.
PB-233 878	Wichita's municipal solid waste management system; a case study. Applied Management Sciences, Inc. Environmental Protection Publication SW-73c. U.S. Environmental Protection Agency, 1974. 89 p.
PB-234 068	Kansas City's municipal solid waste management system. Applied Management Sciences, Inc. Environmental Protection Publication SW-72c. U.S. Environmental Protection Agency, 1974. 249 p.
PB-234 139	Jacksonville's municipal solid waste management system; a case study. Applied Management Sciences, Inc. U.S. Environmental Protection Agency, 1974. 156 p.
PB-234 140	Dallas' municipal solid waste management system; a case study. Applied Management Sciences, Inc. Environmental Protection Publication SW-70c. U.S. Environmental Protection Agency, 1974. 103 p.
PB-234 141	Fresno's municipal solid waste management system; a case study. Applied Management Sciences, Inc. Environmental Protection Publication SW-71c. U.S. Environmental Protection Agency, 1974. 174 p.
PB-234 496	A preliminary assessment of wet systems for residential refuse collection. P. M. Meier et al. U.S. Environmental Protection Agency, 1974. 179 p.
PB-234 497	Modifications to the executive computer program for steady-state simulation of wastewater treatment facilities. P. M. Meier and G. R. Fisette. U.S. Environmental Protection Agency, 1974. 70 p.
PB-234 498	Economic analysis of the processing and disposal of refuse sludges. P. Kos et al. U.S. Environmental Protection Agency, 1974. 85 p.
PB-234 499	Wet systems for residential refuse collection; a case study for Springfield, Massachusetts. P. M. Meier. U.S. Environmental Protection Agency, 1974. 220 p.
PB-234 602	Tire recycling and reuse incentives. International Research and Technology Corporation. Environmental Protection Publication SW-32c. U.S. Environmental Protection Agency, 1974. 88 p.
PB-234 605	The Atlanta household refuse compactor demonstration project. Bradbury Associates, Inc. U.S. Environmental Protection Agency, 1974. 155 p.
PB-234 612	Financial methods for solid waste facilities. Resource Planning Associates. Environmental Protection Publication SW-76c. U.S. Environmental Protection Agency, 1974. 376 p.
PB-234 713	Memphis' municipal solid waste management system; a case study. Applied Management Sciences, Inc. U.S. Environmental Protection Agency, 1974. 137 p.
PB-234 715	Franklin, Ohio's solid waste disposal and fiber recovery demonstration plant; final report. v. 1. A. M. Kinney, Inc. Environmental Protection Publication SW-47d.1. U.S. Environmental Protection Agency, 1974. [63 p.]

order nos.	
PB-234 716	Franklin, Ohio's solid waste disposal and fiber recovery demonstration plant; final report. v. 2. A. M. Kinney, Inc. Environmental Protection Publication SW-47d.2. U.S. Environmental Protection Agency, 1974. 368 p.
PB-234 930	Solid waste milling and disposal on land without cover. v. 1. Summary and major findings J. J. Reinhardt and R. K. Ham. U.S. Environmental Protection Agency, 1974. 181 p.
PB-234 931	Solid waste milling and disposal on land without cover. v. 2. Data condensation. J. J. Reinhardt and R. K. Ham. U.S. Environmental Protection Agency, 1974. 462 p.
PB-234 944	Study of solid waste management practices in the pulp and paper industry. Gorham International, Inc. U.S. Environmental Protection Agency, 1974. 185 p.
PB-234 945	Middletown's municipal solid waste management system; a case study. Applied Management Sciences. U.S. Environmental Protection Agency, 1974. 109 p.
PB-235 770	Aluminum as a component of solid waste and a recoverable resource. R. J. Talley and R. H. Ongerth. U.S. Environmental Protection Agency, 1974. 31 p.
PB-235 857	Waste oil recycling and disposal. N. J. Weinstein. U.S. Environmental Protection Agency, 1974. 328 p.
PB-236 085	An assessment of wet systems for residential refuse collection; summary report. P. M. Meier, J. Kuhner, and R. E. Bolton. U.S. Environmental Protection Agency, 1974. 93 p.
PB-236 402	Agricultural benefits and environmental changes resulting from the use of digested sludge on field crops. T. D. Hinesly. Environmental Protection Publication SW-30d.1. U.S. Environmental Protection Agency, 1974. 375 p.
PB-236 462	Effective use of high water table areas for sanitary landfill; final report. v. 1. VTN, Inc. Environmental Protection Publication SW-57d.1. U.S. Environmental Protection Agency, 1973. 129 p.
PB-236 463	Effective use of high water table areas for sanitary landfill; final report. v. 2. VTN, Inc. Environmental Protection Publication SW-57d.1. U.S. Environmental Protection Agency, 1973. 128 p.
PB-236 543	A study of pneumatic solid waste collection systems as employed in hospitals. Ross Hofmann, Associates. Environmental Protection Publication SW-75c. U.S. Environmental Protection Agency, 1974. 260 p., app.
PB-236 659	Columbus' municipal solid waste management system; a case study. Applied Management Sciences, Inc. Environmental Protection Publication SW-82c. U.S. Environmental Protection Agency, 1974. 156 p.
PB-236 662	Detroit's municipal solid waste management system; a case study. Applied Management Sciences, Inc. Environmental Protection Publication SW-81c. U.S. Environmental Protection Agency, 1973. 94 p.
PB-236 904	Demonstration of waste flow reduction from households. S. Cohen and H. Wallman. U.S. Environmental Protection Agency, 1974. 103 p.
PB-237 264	Alternatives to the management of hazardous wastes at national disposal sites. v. 2. Appendices. Arthur D. Little, Inc. Environmental Protection Publication SW-46c.1. U.S. Environmental Protection Agency, 1973. 235 p.

order nos.	
PB-237 525	Mine spoil potentials for soil and water quality. R. M. Smith et al. U.S. Environmental Protection Agency, 1974. 303 p.
PB-237 618	A technical and economic study of waste oil recovery. pt 1. Federal research on waste oil from automobiles. P. Cukor, M. J. Keaton, and G. Wilcox [Teknekron, Inc., and the Institute of Public Administration]. Environmental Protection Publication SW-90c.1. U.S. Environmental Protection Agency, 1974. 107 p.
PB-237 619	A technical and economic study of waste oil recovery. pt. 2. An investigation of dispersed sources of used crankcase oils. P. Cukor, M. J. Keaton, and G. Wilcox [Teknekron, Inc., and the Institute of Public Administration]. Environmental Protection Publication SW-90c.2. U.S. Environmental Protection Agency, 1974. 63 p.
PB-237 620	A technical and economic study of waste oil recovery. pt. 3. Economic, technical, and institutional barriers to waste oil recovery. P. Cukor, M. J. Keaton, and G. Wilcox [Teknekron, Inc., and the Institute of Public Administration] Environmental Protection Publication SW-90c.3. U.S. Environmental Protection Agency, 1974. 143 p.
PB-238 145	Promising technologies for treatment of hazardous wastes. R. Landreth and C. Rogers. U.S. Environmental Protection Agency, 1974. 44 p.
PB-238 654	An analysis of the current impact of plastic refuse disposal upon the environment. D. A. Vaughan, M. Y. Anastas, and H. H. Krause. U.S. Environmental Protection Agency, 1974. 49 p.
PB-238 674	Feasibility study of use of molten salt technology for pyrolysis of solid waste. V. L. Hammond and L. K. Mudge. U.S. Environmental Protection Agency, 1975. 86 p.
PB-238 747	A study of corrosion in municipal incinerators versus refuse composition. D. A. Vaughan, H. H. Krause, and W. K. Boyd. U.S. Environmental Protection Agency, 1974. 51 p.
PB-238 819	Forecasts of the effects of air and water pollution controls on solid waste generation. R. Stone and D. E. Brown [Ralph Stone and Company, Inc.]. U.S. Environmental Protection Agency, 1974. 830 p.
PB-239 116	Evaluation of the feasibility and economic implications of pricing mechanisms in solid waste management. E. Ulrich. U.S. Environmental Protection Agency, 1975. 88 p.
PB-239 117	Analysis models for solid waste collection. v. 1. J. F. Hudson, D. S. Grossman, and D. H. Marks. U.S. Environmental Protection Agency, 1975. 229 p.
PB-239 119	Industrial solid waste classification systems. J. B. Berkowitz et al. [Arthur D. Little, Inc.]. U.S. Environmental Protection Agency, 1975. 413 p.
PB-239 195	Merchanized residential solid waste collection. M. G. Stragier. Environmental Protection Publication SW-74d. U.S. Environmental Protection Agency, 1974. 176 p.
PB-239 196	Mechanized, non-stop residential solid waste collection. W. Da Vee and M. G. Stragier [City of Tolleson, Arizona]. Environmental Protection Publication SW-76d. U.S. Environmental Protection Agency, 1974. 66 p.
PB-239 327	Urban street cleaning. A. H. Levis. U.S. Environmental Protection Agency, 1975. 57 p.
PB-239 357	An evaluation of landfill gas migration and a prototype gas migration barrier. City of Winston-Salem, North Carolina, and Enviro Engineers, Inc. Environmental Protection Publication SW-79d. U.S. Environmental Protection Agency, 1975. 154 p.

order nos.

PB-239 392 Where the boilers are; a survey of electric utility boilers with potential capacity for burning solid waste as fuel. B. G. Tunnah, A. Hakki, and R. J. Leonard [Gordian Associates, Inc.]. Environmental Protection Publication SW-88c. U.S. Environmental Protection Agency, 1974. 329 p.

PB-239 494 Analysis models for solid waste collection. v. 2. Appendices and documentation. J. F. Hudson, D. S. Grossman, and D. H. Marks. U.S. Environmental Protection Agency, 1975. 225 p.

PB-239 502 Fabrication of single cell protein from cellulosic wastes. W. H. Daly and L. P. Ruiz. U.S. Environmental Protection Agency, 1975. 71 p.

PB-239 509 Solid waste conversion: cellulose liquefaction. J. A. Kaufman and A. H. Weiss. U.S. Environmental Protection Agency, 1975. 216 p.

PB-239 618 An experimental high ash papermill sludge landfill; second annual report. O. B. Andersland. U.S. Environmental Protection Agency, 1974. 230 p.

PB-239 631 Criteria for regional solid waste management planning. B. H. Stevens. U.S. Environmental Protection Agency, 1974. 338 p.

PB-239 736 A study of Federal subsidies to stimulate resource recovery. Resource Planning Associates, Inc. Environmental Protection Publication SW-96c. U.S. Environmental Protection Agency, 1974. 144 p.

PB-239 775 Analysis of source separate collection of recyclable solid waste; separate collection studies. [v. 1.] SCS Engineers, Inc. Environmental Protection Publication SW-95c.1. U.S. Environmental Protection Agency, 1974. 157 p.

PB-239 776 Analysis of source separate collection of recyclable solid waste; collection center studies. [v. 2.] SCS Engineers, Inc. Environmental Protection Publication SW-95c.2. U.S. Environmental Protection Agency, 1974. 72 p.

PB-239 778 Sonoma County solid waste stabilization study. EMCON Associates. Environmental Protection Publication SW-65d.1. U.S. Environmental Protection Agency, 1975. 283 p.

PB-239 869 An experimental high ash papermill sludge landfill; first annual report. O. B. Andersland et al. U.S. Environmental Protection Agency, 1974. 200 p.

PB-239 895-Set Routing of solid waste collection vehicles. U.S. Environmental Protection Agency, 1974. 4 v.

    PB-239 896 First annual report and appendix A; a linear programming approach for the traveling salesman problem. J. C. Liebman and S. Hong. 70 p.

    PB-239 897 First annual report and appendix B; optimal routing of solid waste collection vehicles. J. C. Liebman and M. Wathne. 110 p.

    PB-239 898 Final report and appendix A; manual for use of the computer codes. J. C. Liebman. 55 p.

    PB-239 899 Final report and appendix B; a heuristic solution to the m-postman problem. J. C. Liebman and J. W. Male. 127 p.

PB-239 914 Preliminary design of a household refuse grinder. A. T. Fisk and A. Guzdar. U.S. Environmental Protection Agency, 1974. 130 p.

order nos.	
PB-239 915	Feasibility of hydraulic transport of ground household refuse through sewer appurtenances. D. A. Monaghan and A. Guzdar. U.S. Environmental Protection Agency, 1974. 130 p.
PB-239 917	Residential collection systems. v. 2. Detailed study and analysis. ACT Systems, Inc. Environmental Protection Publication SW-97c.2. U.S. Environmental Protection Agency, 1974. 254 p.
PB-240 365	Rural storage and collection container systems. Humboldt County, California. Environmental Protection Publication SW-81d. U.S. Environmental Protection Agency, 1975. 126 p.
PB-240 395	San Jose's municipal solid waste system; a case study. Applied Management Sciences, Inc. Environmental Protection Publication SW-78c. U.S. Environmental Protection Agency, 1975. 153 p.
PB-240 723	High-temperature vortex incinerator. R. C. Thurnau and D. A. Oberacker. U.S. Environmental Protection Agency, 1975. 32 p.
PB-240 988	An evaluation of the impact of discriminatory taxation on the use of primary and secondary raw materials. Booz-Allen and Hamilton, Inc. Environmental Protection Publication SW-101c. U.S. Environmental Protection Agency, 1975. 148 p.
PB-241 204	Assessment of industrial hazardous waste practices, storage and primary batteries industries. Versar, Incorporated. [Environmental Protection Publication] SW-102c. U.S. Environmental Protection Agency, Jan. 1975. [209 p.]
PB-241 468	Lee County, Mississippi, solid waste disposal project. Lee County Board of Supervisors. Environmental Protection Publication SW-83d. U.S. Environmental Protection Agency, 1974. [140 p.]
PB-241 729	Requiring secondary materials in Federal construction; a feasibility study. J. M. Ramsey [Resource Planning Associates.] Environmental Protection Publication SW-130c. U.S. Environmental Protection Agency, Jan. 1975. [206 p.]
PB-242 461	Preliminary design of a comprehensive waste oil processing facility. G. D. Gumtz and E. J. Martin [Maryland Environmental Services]. U.S. Environmental Protection Agency, May 1975. 142 p.
PB-242 536	Use of domestic waste glass for urban paving; summary report. W. R. Malisch, D. E. Day, and B. G. Wixson [University of Missouri]. U.S. Environmental Protection Agency, May 1975. 60 p.
PB-242 540	Specifications for materials recovered from municipal refuse. H. Alter and W. R. Reeves [National Center for Resource Recovery, Inc.]. U.S. Environmental Protection Agency, May 1975. 120 p.
PB-243 222	Recycling of waste oils. S. Maizus [National Oil Recovery Corporation]. U.S. Environmental Protection Agency, June 1975. 283 p.
PB-243 306	Environmental assessment of future disposal methods for plastics in municipal solid waste. D. A. Vaughan et al. [Battelle Columbus Laboratories]. U.S. Environmental Protection Agency, June 1975. 86 p.
PB-243 386	Methods to treat, control and monitor spilled hazardous materials. R. J. Pilie et al. [Calspan Corporation]. U.S. Environmental Protection Agency, June 1975. 149 p.
PB-243 634	St. Louis refuse processing plant: equipment, facility, and environmental evaluations. L. J. Shannon, D. E. Fiscus, and P. G. Gorman [Midwest Research Institute]. U.S. Environmental Protection Agency, May 1975. 122 p.

PB-244 309-Set Characterization and utilization of municipal and utility sludges and ashes. U.S. Environmental Protection Agency, May 1975. 3 v.

- PB-244 310 v. 1. Summary. N. L. Hecht and D. S. Duvall [University of Dayton Research Institute]. 40 p.
- PB-244 311 v. 2. Municipal sludges. N. L. Hecht, D. S. Duvall, and A. S. Rachidi [University of Dayton Research Institute]. 241 p.
- PB-244 312 v. 3. Utility coal ash. N. L. Hecht and D. S. Duvall [University of Dayton Research Institute]. 74 p.

PB-244 557 Guidelines for the disposal of small quantities of unused pesticides. E. W. Lawless, T. L. Ferguson, and A. F. Meiners [Midwest Research Institute]. U.S. Environmental Protection Agency, June 1975. 342 p.

PB-244 832 Assessment of industrial hazardous waste practices; inorganic chemicals industry. R. G. Shaver et al. [Versar, Incorporated]. Environmental Protection Publication SW-104c. U.S. Environmental Protection Agency, Mar. 1975. [505 p.]

PB-245 271 Review of landspreading of liquid municipal sewage sludge. T. E. Carroll et al. [Battelle Columbus Laboratories]. U.S. Environmental Protection Agency, June 1975. 110 p.

PB-245 672 Evaluation of shredding facilities, Rock Cut Road Plant No. 1; Onondaga County Solid Waste Disposal Authority, Onondaga County, New York. Onondaga County Solid Waste Disposal Authority. Environmental Protection Publication SW-86d. U.S. Environmental Protection Agency, 1975. [147 p.]

PB-245 674 A technical, environmental and economic evaluation of the "wet processing system for the recovery and disposal of municipal solid waste." Systems Technology Corporation. Environmental Protection Publication SW-109c. U.S. Environmental Protection Agency, 1975. 223 p.

PB-245 924 Base line forecasts of resource recovery, 1972 to 1990: final report. Midwest Research Institute. Environmental Protection Publication SW-107c. U.S. Environmental Protection Agency, 1975. [386 p.]

PB-247 185 Evaluation of solid waste baling and balefills. v. 1-2. Ralph Stone and Company, Inc. Environmental Protection Publication SW-111c.1. U.S. Environmental Protection Agency, 1975. [375 p.]

PB-247 566 Injury reporting and information system field test. v. 1. D. M. J. Compton and K. King [Safety Sciences, WSA, Incorporated]. Environmental Protection Publication SW-110c.1. U.S. Environmental Protection Agency, 1975. [138 p.]

PB-247 567 Injury reporting and information system field test. v. 2. Tabulation of data. D. M. J. Compton and K. King [Safety Sciences, WSA, Incorporated]. Environmental Protection Publication SW-110c.2. U.S. Environmental Protection Agency, 1975. [66 p.]

PB-249 747 Chemical waste land disposal facility demonstration grant application. Barr Engineering Company for the Minnesota Pollution Control Agency. Environmental Protection Publication SW-87d. U.S. Environmental Protection Agency, 1975. 183 p.

PB-250 717 A study of selected landfills designed as pesticide disposal sites. TRW Systems Group. Environmental Protection Publication SW-114c. U.S. Environmental Protection Agency, 1976. 143 p.

order nos.	
PB-250 798	Analysis of demand and supply for secondary fiber in the U.S. paper and paperboard industry. v. 1, sect. 1-8,10. Arthur D. Little, Inc. Environmental Protection Publication SW-115c.1. U.S. Environmental Protection Agency, 1976. 383 p.
PB-250 802	Analysis of demand and supply for secondary fiber in the U.S. paper and paperboard industry. v. 3. Appendices. Arthur D. Little, Inc. Environmental Protection Publication SW-115c.3. U.S. Environmental Protection Agency, 1976. 422 p.
PB-250 905	Analysis of demand and supply for secondary fiber in the U.S. paper and paperboard industry. v. 2, sect. 9. Process economics. Arthur D. Little, Inc. Environmental Protection Publication SW-115c.2. U.S. Environmental Protection Agency, 1976. 257 p.

title index

Numbers following entries are order numbers, by which the publications are listed in this catalog.

A

Abstracts; selected patents on refuse handling facilities for buildings, 1
Accounting system for incinerator operations, 111
Accounting system for sanitary landfill operations, 86
Accounting system for solid waste collection, 153
Accounting system for solid waste management in small communities, 176
Accounting system for solid waste shredders, 451
Accounting system for transfer station operations, 182
Acid hydrolysis of cellulose in refuse to sugar and its fermentation to alcohol, PB-221 239
Action on the solid wastes problem, 71
Activities in managing solid wastes, 197
Ad hoc conference on solid waste training, 72
Aerial and automotive reconnaissance of solid waste disposal sites in a rural county, 277
Aerobic treatment of livestock wastes, 297
Agricultural benefits and environmental changes resulting from the use of digested sewage sludge on field crops; an interim report on a solid waste demonstration project, 229
Agricultural benefits and environmental changes resulting from the use of digested sludge on field crops, PB-236 402
Air classification for reclamation processing of solid wastes, 102
Air classification of solid wastes; performance of experimental units and potential applications for solid waste reclamation, 256
Alternatives to the management of hazardous wastes at national disposal sites, PB-225 164
Alternatives to the management of hazardous wastes at national disposal sites, v. 2, PB-237 264
Aluminum as a component of solid waste and a recoverable resource, PB-235 770
America the beautiful; a collection of the nation's trashiest humor, 131
American composting concepts, 169
Anaerobic digestion of solid waste and sewage sludge to methane, 458
Analysis of demand and supply for secondary fiber in the U.S. paper and paperboard industry, v. 1, sect. 1-8,10, PB-250 798
Analysis of demand and supply for secondary fiber in the U.S. paper and paperboard industry, v. 2, sect. 9, Process economics, PB-250 905
Analysis of demand and supply for secondary fiber in the U.S. paper and paperboard industry, v. 3, Appendices, PB-250 802
Analysis models for solid waste collection, v. 1, PB-239 117
Analysis models for solid waste collection, v. 2, Appendices and documentation, PB-239 494
Analysis of airport solid wastes and collection systems; San Francisco International Airport, PB-219 372
Analysis of Federal programs affecting solid waste generation and recycling, PB-213 311
Analysis of solid waste composition; statistical technique to determine sample size, 97
Analysis of source separate collection of recyclable solid waste; collection center studies, v. 2, PB-239 776
Analysis of source separate collection of recyclable solid waste; separate collection studies, v. 1, PB-239 775
Analysis of the abandoned automobile problem, PB-221 879
Analysis of the current impact of plastic refuse disposal upon the environment, PB-238 654
Applying technology to unmet needs; report on the solid waste problem, 2
Appraisal of marine disposal of solid wastes off the west coast: a preliminary review and results of a survey, 130
Assessment of industrial hazardous waste practices; inorganic chemicals industry, PB-244 832
Assessment of industrial hazardous waste practices; storage and primary batteries industries, PB-241 204
Assessment of wet systems for residential refuse collection; summary report, PB-236 085
Atlanta household refuse compactor demonstration project, PB-234 605
Automatic amino acid analyses for determining the amount and quality of protein in fungal protein and in other protein sources, 312

Automobile cycle; an environmental and resource reclamation problem, 275
Automobile scrapping processes and needs for Maryland; a final report on a solid waste demonstration, 106
Available information materials; solid waste management, 203

B

Baling solid waste to conserve sanitary landfill space; a feasibility study, PB-214 960
Baltimore demonstrates gas pyrolysis; resource recovery from solid waste, 431
Baltimore's municipal solid waste management system; a case study, PB-228 161
Base line forecasts of resource recovery, 1972 to 1990: final report, PB-245 924
Basic issues on solid waste management affecting county government, 373
Beverage container problem; analysis and recommendations, 326
Beverage container problem; analysis and recommendations, PB-213 341
Beverage containers; proposed solid waste management guidelines. *See* Solid waste management; guidelines for beverage containers
Beverage containers: the Vermont experience, 487
Big pickup—a new publication from the Office of Solid Waste Management Programs, 485
Biological consequences of plant residue decomposition in soil, PB-222 113
Biological conversion of animal wastes to nutrients, PB-221 171
Bird/aircraft hazards at airports near solid waste disposal sites, 355
Buffalo's crusher facility for bulky solid waste, PB-225 159
Building an amphitheater and coasting ramp of municipal solid waste, PB-225 346
Bureau attacks nation's solid waste, 109
Burn, bury, or what? 271

C

California solid waste management study (1968) and plan (1970), 175
Can engineering cope with the debris of affluence? 3
Can Federal procurement practices be used to reduce solid wastes? PB-229 727
Case study and business analysis of the scrap industry, PB-229 220
Cellulolytic activity in municipal solid waste composting, 126
Cellulose degradation in composting, PB-215 722
Characteristics of municipal solid wastes, 4
Characterization and utilization of municipal and utility sludges and ashes, v. 1-3, PB-244 309-Set
Chemical conversion of solid wastes to useful products, PB-233 178
Chemical conversion of wood and cellulosic wastes, PB-229 246
Cities and the nation's disposal crisis, 331
Cities' rubbish woes grow as volume rises, dumping sites fill up, 5
Citizen support for solid waste management, 138
Clean and green, 291
Clean and green solid waste system in Alabama is widely copied, 150, 238
Closing open dumps, 156
Codification of solid waste management authority in Kentucky; appendix A, PB-201 205
Collection and disposal of solid waste for the Des Moines metropolitan area; a systems engineering approach to the overall problem of solid waste management; an interim report, 6
Collection and disposal of solid waste for the Des Moines metropolitan area; the planning phase, 249
Collection, reduction, and disposal of solid waste in high-rise multifamily dwellings, PB-197 623
COLMIS; a new solid waste management information system, 389
Columbus' municipal solid waste management system; a case study, PB-236 659
Combustion power unit-400 (CPU-400); a technical abstract, 7, PB-187 299
Combustion products from the incineration of plastics, PB-222 001
Comparative estimates of post-consumer solid waste, 443
Compost studies, pt. 1-3, 204-206
Composted municipal refuse as a soil amendment, PB-222 422
Composting at Johnson City; final report on joint USEPA-TVA composting project with operational data, 1967 to 1971, 488
Composting developments in the United States, 8

Composting dewatered sewage sludge, 115
Composting of municipal solid wastes in the United States, 212
Comprehensive studies of solid waste management; first and second annual reports, 128
Comprehensive studies of solid waste management; third annual report, 178
Comprehensive study of solid waste disposal in Cascade County, Montana; final report on a solid waste demonstration, 118
Computer planning for efficient solid waste collection, 283
Concept and design of the joint U.S. Public Health Service–Tennessee Valley Authority Composting Project, Johnson City, Tennessee, 9
Conservation and common sense, 515
Construction of a chemical-microbial pilot plant for production of single-cell protein from cellulosic wastes, 186
Control of domestic rats and mice, 155
Conversion of organic solid wastes into yeast; an economic evaluation, 91
Corrosion studies in municipal incinerators, PB-213 378
Cost of residential solid waste collection, 228
Costs of hauling and land spreading of domestic sewage treatment plant sludge, PB-227 005
Creating a countywide solid waste management system; the case study of Humphreys County, Tennessee, 255
Criteria for regional solid waste management planning, PB-239 631
Current concepts in the disposal of solid wastes, 110

D

Dairy manure management methods, PB-233 441
Dairy waste management, PB-225 160
Dallas' municipal solid waste management system; a case study, PB-234 140
Damage incidents from improper land disposal, 494
Debris accumulation in ancient and modern cities, 404
Decentralized solid waste collection facilities, 146
Decision-makers guide in solid waste management, 390
Decision trees in solid wastes planning, 10
Deep-sea disposal of liquid and solid wastes, 162
Demonstrating multimaterial source separation in Somerville and Marblehead, Massachusetts, 510
Demonstration of waste flow reduction from households, PB-236 904
Des Moines story; a report on the implementation of the solid waste management plan for the Des Moines Metropolitan Area Solid Waste Agency, PB-233 873
Design and control of incinerators, PB-223 626
Design and simulation of equalization basins, PB-222 000
Design criteria for solid waste management in recreational areas, 284
Design of a water-disposable glass packaging container, 236
Design of consumer containers for re-use or disposal; proceedings of the Solid Waste Resources Conference (May 12-13, 1971), 261
Determination of selenium in solid waste, 148
Detroit's municipal solid waste management system; a case study, PB-236 662
Developing a local and regional solid waste management plan, 336, PB-226 099
Developing a State solid waste management plan, 124
Development of construction and use criteria for sanitary landfills; an interim report, 11
Development of construction and use criteria for sanitary landfills; final report on a solid waste management demonstration grant, PB-218 672
Digest of selected local solid waste management ordinances, 253
DISCUS–a solid-waste management game, 137
Dismantling railroad freight cars; a study of improved methods with application to other demolition problems, 95
Disposal of hazardous wastes; report to Congress, 345
Disposal of polymer solid wastes by primary polymer producers and plastics fabricators, 244
Disposal of sewage sludge into a sanitary landfill, 391
District of Columbia solid waste management plan; status report (1970), 191
Do you need a sanitary landfill? 12

Don't leave it all to the experts; the citizen's role in environmental decision making, 314
Dumps; a potential threat to our groundwater supplies, 411

E

Ecology of compost; a public involvement project, 322
Economic analysis of the processing and disposal of refuse sludges, PB-234 498
Economic and technological impediments to recycling obsolete ferrous solid waste, PB-223 034
Economic realities of reclaiming natural resources in solid waste, 225
Economics of separate refuse collection, 400
Economics of solid waste investment decisions, 103
Effect of processing poultry manure on disease agents, PB-222 148
Effective use of high water table areas for sanitary landfill; final report, v. 1, PB-236 462
Effective use of high water table areas for sanitary landfill; final report, v. 2, PB-236 463
Effective use of high water table areas for sanitary landfill; second annual report, PB-224 996
Effects of garbage grinding on sewage systems and environmental sanitation, 13
Effects of land disposal of solid wastes on water quality, 83
Eleven residential pickup systems compared for cost and productivity, 436
Empirical analysis of commercial solid waste generation, 240
Energy and the environment, 360
Energy conservation through improved solid waste management, 378
Energy recovery from waste; solid waste as supplementary fuel in power plant boilers, 264
Engineer in solid waste management, 227
Environmental assessment of future disposal methods for plastics in municipal solid waste, PB-243 366
Environmental impacts of packaging, 332
Environmental Protection Agency publishes guidelines on solid waste collection and storage for Federal Agencies. *See* Guidelines for the storage and collection of residential, commercial, and institutional solid waste
Environmental protection, residuals management, and resources—the future is now, 364
Environmental protection—the people's choice, 379
Evaluation of shredding facilities, Rock Cut Road Plant No. 1; Onondaga County Solid Waste Disposal Authority, Onondaga County, New York, PB-245 672
Evaluation of solid waste baling and balefills, v. 1-2, PB-247 185
Evaluation of the effectiveness and costs of regulatory and fiscal policy instruments on product packaging, 437
Evaluation of the feasibility and economic implications of pricing mechanisms in solid waste management, PB-239 116
Evaluation of the impact of discriminatory taxation on the use of primary and secondary raw materials, PB-240 988
Evaluation of the Melt-Zit high-temperature incinerator; operation test report (August 1968), 14
Excerpts relating to solid waste from the President's Message on Environment, 91st Cong., 2d sess. (Feb. 10, 1970), 129
Experimental composting research and development; joint U.S. Public Health Service—Tennessee Valley Authority Composting Project, Johnson City, Tenn., 15
Experimental high ash papermill sludge landfill; first annual report, PB-239 869
Experimental high ash papermill sludge landfill; second annual report, PB-239 618

F

Fabrication of single cell protein from cellulosic wastes, PB-239 502
Feasibility of hydraulic transport and treatment of ground household refuse through sewers, PB-229 256
Feasibility of hydraulic transport of ground household refuse through sewer appurtenances, PB-239 915
Feasibility study of the disposal of polyethylene plastic waste, 199
Feasibility study of use of molten salt technology for pyrolysis of solid waste, PB-238 674
Federal program for hazardous waste management, 399
Federal redirections in solid waste, 276
Federal resource recovery demonstration program, 334
Federal role in solid waste management—present and future, 306

Federal solid waste demonstration program, 16
Federal solid waste management programme; a review and prognosis, 395
Federal solid wastes program, 108
Films tell the solid waste management story, 349
Films tell the story, 207
Financial methods for solid waste facilities, PB-234 612
Financing municipal solid waste management systems, 132
Financing solid waste management in small communities, 188
First annual progress report on a study of corrosion in municipal incinerators, PB-221 851
Five-stage improvement process for solid waste collection systems, 409
Five-thousand (5000) dumps, 265
Five-thousand (5000) dumps [flyer], 209
Fleet selection for solid waste collection systems, 251
Forecasts of the effects of air and water pollution controls on solid waste generation, PB-238 819
Forsyth County's solid waste management system; a case study, PB-225 296
Franklin, Ohio's solid waste disposal and fiber recovery demonstration plant; final report, v. 1, PB-234 715
Franklin, Ohio's solid waste disposal and fiber recovery demonstration plant; final report, v. 2, PB-234 716
Fresno's municipal solid waste management system; a case study, PB-234 141
Fuel conservation in solid waste management, 407

G

Gainesville compost plant; an interim report, 17, PB-187 311
Gainesville compost plant; final report on a solid waste management demonstration, v. 1-2, PB-222 710
Gaseous emissions from municipal incinerators, 368
Generation of steam from solid wastes, PB-214 166
Glass and aluminum recovery in recycling operations, 308
Grant programs under the Solid Waste Disposal Act, 18
Grants encourage new waste disposal methods, 121
Grants for solid waste disposal projects, 19
Green box, 272
Guidelines for local governments on solid waste management, 239
Guidelines for procurement of products that contain recycled material, 490
Guidelines for the storage and collection of residential, commercial, and institutional solid waste, 504
Guidelines for the disposal of small quantities of unused pesticides, PB-244 557

H

Había una vez un dragón malvado, 430
Handbook for initiating or improving commercial refuse collection, 472
Hazardous waste disposal damage reports, 449, 492
Hazardous waste management facilities in the United States, 429
Hazardous wastes, 450
Hazardous wastes and their management; environmental information, 452
Hazardous wastes, the gross national byproduct; a new publication from the Office of Solid Waste Management, 502
Health and safety in the solid waste industry, 426
Health aspects and vector control associated with animal wastes, 20
Heuristic routing for solid waste collection vehicles, 356
High-pressure compaction and baling of solid waste; final report on a solid waste management demonstration grant, 252
High-temperature vortex incinerator, PB-240 723
Highway litter study (1974); report to Congress, 455
Hospital solid waste; an annotated bibliography, PB-227 708
Hospital solid waste disposal in community facilities, PB-222 018
Hospital wastes, 406
Houston's municipal solid waste management system; a case study, PB-225 299

Hydrogeology of solid waste disposal sites in northeastern Illinois; a final report on a solid waste demonstration grant project, 223
Hydrogeology of solid waste disposal sites in northeastern Illinois; an interim report on a solid waste demonstration grant project, 90

I

Identification of opportunities for increased recycling of ferrous solid waste, PB-213 577
Illinois report probes citizens' attitudes on refuse problems, 372
Improving manual solid waste separation studies, 310
Improving productivity in solid waste collection; a brief for elected officials, 440
Improving rural solid waste management practices, 342
In the bag, 270
Incentives for recycling and reuse of plastics, PB-214 045
Incentives for recycling and reuse of plastics; a summary report, 316
Incentives for tire recycling and reuse, 382
Incineration in hazardous waste management, 427
Incineration of bulky refuse without prior shredding, PB-221 731
Incineration of plastics found in municipal wastes, PB-223 651
Industrial and agricultural solid wastes and problems involved in their disposal, 104
Industrial solid waste classification systems, PB-239 119
Industrial solid waste problems, 278
Industrial waste management; seven conference papers, 453
Information about hazardous waste management facilities, 468
Information retrieval services of EPA's Office of Solid Waste Management Programs, 294
Information system for solid waste operation, 166
Infrared spectral sensor for refuse sorting, PB-229 901
Initiating a national effort to improve solid waste management, 260
Injury reporting and information system field test, v. 1, PB-247 566
Injury reporting and information system field test, v. 2, Tabulation of data, PB-247 567
Intergovernmental approaches to solid waste management, 164
International Research Group on Refuse Disposal (IRGRD); information bulletin numbers 1-12 (November 1956 to September 1961), 21
International Research Group on Refuse Disposal (IRGRD); information bulletin numbers 13-20 (December 1961 to May 1964), 22
International Research Group on Refuse Disposal (IRGRD); information bulletin numbers 21-31 (August 1964 to December 1967), 89
International Research Group on Refuse Disposal (IRGRD); information bulletin number 32 (April 1968), 142
International Research Group on Refuse Disposal (IRGRD); information bulletin number 33 (August 1968), 143
International Research Group on Refuse Disposal (IRGRD); information bulletin number 34 (December 1968), 144
International Research Group on Refuse Disposal (IRGRD); information bulletin number 35 (May 1969), 145
Interview with Sandy Hale; Waste Age discusses new direction for Federal solid waste management program with its new director, 250
Investigation of corrosion-deposition phenomena on gas turbine blades, PB-221 095
Investigation of the biodegradability of packaging plastics, PB-213 488
Investigation of the pH characteristics of compost, 158
Investment decision model for control technology, PB-213 482
Ion-exchange process for recovery of chromate from pigment manufacturing, PB-233 641
IRIS; a new service for the solid waste management industry, 478
IRIS; injury reporting and information system for solid waste management, 477

J

Jacksonville's municipal solid waste management system; a case study, PB-234 139

K

Kansas City's municipal solid waste management system; PB-234 068
Keeping a sanitary landfill sanitary, 23
Kenilworth model sanitary landfill; interim report on a solid waste demonstration project (December 1967-January 1969), 105
Kentucky solid waste management plan; status report, 1970, 181

L

Land availability, crop production, and fertilizer requirements in the United States, 484
Land reclamation project; an interim report, 24, PB-187 301
Land use planning and solid waste management, 247
Landfill decomposition gases; an annotated bibliography, PB-213 487
Landfill disposal of hazardous wastes: a review of literature and known approaches, 475
Leachate effects of improper land disposal, 435
Lee County, Mississippi, solid waste disposal project, PB-241 468
Legislative history of the Solid Waste Disposal Act, as amended, together with a section-by-section index, 410
Let DARE make your solid-waste decisions, 101
Let's dump the dump; the ABC's of solid waste management, 290
Library holdings–nonperiodical; Federal solid waste management program (November 1972), 375
Liners for land disposal sites; an assessment, 428
Litter bit is not enough, 318
Locational models for solid waste management, 173
Louisville, Ky.–Ind. metropolitan region solid waste disposal study; interim report on a solid waste demonstration project, v. 1, 125

M

Making polyethylene more disposable, 324
Making refuse collection safer, 481
Malgastar causa necesidad, 392
Manage solid wastes as a utility, 160
Management information for solid waste collection, PB-213 308
Management of solid waste–the utility concept, 161
Management of solid wastes from hospitals: problems and technology, 73
Mapping the United States . . . a solid waste view, 149
Marine disposal of solid wastes, 157
Marketability of recovered and clarified incinerator residue in the New York metropolitan area, PB-222 588
Markets and technology for recovering energy from solid waste, 401
Más allá de la lata de basura, 424
Master plan for solid waste collection and disposal–tri-parish metropolitan area of New Orleans; final report on a solid waste management demonstration, 94
Materials recovery; solid waste management guidelines for source separation, 473
Mathematical analysis of solid waste collection, 147
Mathematical model for aerobic digestion, PB-222 029
Mathematical model for post aeration, PB-222 031
Mathematical modeling and computer simulation for designing municipal refuse collection and haul services, PB-208 154
Mathematical modeling of solid waste collection policies, v. 1-2, 123
Mechanics of style; a guide for Solid Waste Management authors, secretaries, grantees, and contractors, 386
Mechanized, non-stop residential solid waste collection, PB-239 196
Mechanized residential solid waste collection, PB-239 195
Memphis' municipal solid waste management system; a case study, PB-234 713
Mess we're in, 159
Metallurgical upgrading of automotive scrap steel, PB-223 740
Method for macrodetermination of carbon and hydrogen in solid wastes, 193

91

Methods of predicting solid waste characteristics, 235
Methods to treat, control and monitor spilled hazardous materials, PB-243 386
Metropolitan housewives' attitudes toward solid waste disposal, PB-213 340
Microbial degradation of urban and agricultural wastes, 254
Microbiological evaluation of incinerator operations, 88
Microbiological studies of compost plant dust, PB-222 160
Middletown's municipal solid waste management system; a case study, PB-234 945
Mine spoil potentials for soil and water quality, PB-237 525
Mineral recovery from the noncombustible fraction of municipal solid waste; a proposed project to demonstrate incinerator residue recovery, 491
Mission 5000 [flyer], 202
Mission 5000; a citizens' solid waste management project, 280
Mission 5000; let's find a better way! 201
Model for optimal design and operation of solid waste transfer stations, PB-227 075
Modifications to the executive computer program for steady-state simulation of wastewater treatment facilities, PB-234 497
Municipal composting research at Johnson City, Tennessee, 74
Municipal incineration, 75
Municipal-scale incinerator design and operation, 122
Municipal waste disposal by shipborne incineration and sea disposal of residues, PB-221 684

N

National buyer's guide to recycled paper, 343
National solid wastes program, 25
National solid wastes survey; an interim report, 26
National survey (1968) of community solid waste practices; region 1, 216
National survey (1968) of community solid waste practices; region 2, v. 1, 217
National survey (1968) of community solid waste practices; region 2, v. 2, 218
Nationwide survey of resource recovery activities, 432
Needs for chemical research in solid waste management, 134
New chemical concepts for utilization of waste plastics, 222
New technologies in solid waste management, 274
New York solid waste management plan; status report (1970), 233
Nitrite-accelerated photochemical degradation of cellulose as a pretreatment for microbiological conversion to protein, PB-222 115

O

Observations of continental European solid waste management practices, 93
Ocean disposal of barge-delivered liquid and solid wastes from U.S. coastal cities, 192
Ocean dumping poses growing threat, 140
Omaha-Council Bluffs solid waste management plan; status report (1969), 183
One private plant treats oil, chemical residues in Denmark, 418
Opportunities for improving productivity in solid waste management—1973; report of the Solid Waste Management Advisory Group on, 441
Optimal configuration of a regional solid waste management system, PB-233 360
Optimization models for regional public systems, PB-231 309
Oregon solid waste management plan; status report (1969), 168
Oregon's bottle bill; the first six months, 325
Organic pesticides and pesticide containers; a study of their decontamination and combustion, PB-202 202
Our effluent society; the States and solid waste management, 383
Our environment [flyer], 214

P

Packaging and solid waste management, 27
Packaging industry and government, 246

Packaging source reduction; can industry and government cooperate? 422
Paper recycling in the United States, 420
Paper recycling 1973: a dramatic year in perspective, 465
Parasitological examination of compost; a Solid Waste Research open-file report, 224
Partial oxidation of solid organic wastes, 154
Patent abstracts; international solid waste management (1945-1969), 319
Patent abstracts; United States solid waste management (1945-1969), 317
Pathogens associated with solid waste processing; a progress report, 184
PCB-containing wastes (industrial facilities); recommended procedures for disposal, 516
PERT; concepts and application to solid waste management, 135
Pesticides and pesticide containers; proposed regulations for prohibition of certain acts regarding disposal and storage, 398
Pesticides; EPA proposal on disposal and storage. *See* Pesticides and pesticide containers; proposed regulations for prohibition of certain acts regarding disposal and storage
Photosynthetic reclamation of agricultural solid and liquid wastes, PB-222 454
Physical, chemical, and microbiological methods of solid waste testing, PB-220 479
Physical, chemical, and microbiological methods of solid waste testing; four additional methods, PB-231 703
Planning a comprehensive in-plant solid waste survey, 139
Planning and the national solid waste survey, 113
Plastic wastes in the coming decade, 179
Pneumo-slurry pipeline collection and removal of municipal solid waste, PB-223 162
Policies for solid waste management, 112
Pollution of subsurface water by sanitary landfills, v. 1, 245
Pollution of subsurface water by sanitary landfills, v. 2, PB-209 001
Pollution of subsurface water by sanitary landfills, v. 3, PB-209 002
Polychlorinated biphenyl-containing wastes; disposal procedures. *See* PCB-containing wastes (industrial facilities); recommended procedures for disposal
Portable sampler for microorganisms in incinerator stack emissions, 151
Poultry manure disposal by plow-furrow-cover, PB-223 430
Preliminary assessment of wet systems for residential refuse collection, PB-234 496
Preliminary data analysis; 1968 national survey of community solid waste practices, 28
Preliminary design of a comprehensive waste oil processing facility, PB-242 461
Preliminary design of a household refuse grinder, PB-239 914
Preliminary estimate of the significance of pesticide residues in solid wastes and problems of reduction or elimination of these residues, 29
Preparation and evaluation of activated carbon produced from municipal refuse, PB-221 172
Preventing landfill leachate contamination of water, PB-222 468
Private contractor opportunities in the solid wastes program, 76
Private sector in solid waste management; a profile of its resources and contribution to collection and disposal, v. 1-2, 346
Problem-solving in solid waste management through Federal-local cooperation; eight case studies, 423
Problems and opportunities in management of combustible solid wastes, PB-222 467
Proceedings; 1975 Conference on Waste Reduction (Apr. 2-3, 1975), 461
Proceedings; 1st National Conference on Packaging Wastes (Sept. 22-24, 1969), 172
Proceedings; the Surgeon General's Conference on Solid Waste Management for Metropolitan Washington (July 19-20, 1967), 30
Processing and recovery of Jon Thomas—cool cat! 299
Procurement of products that contain recycled material and resource recovery facilities; guidelines for Federal agencies, 490
Production of fungal protein from cellulose and waste cellulosics, 295
Program for the management of hazardous wastes, v. 1-2, PB-233 630-PB-233 631
Progress in solid waste management and needed developments, 116
Progress under the Federal solid wastes program, 31
Promising technologies for treatment of hazardous wastes, PB-238 145
Proposals for a refuse disposal system in Oakland County, Michigan; final report on a solid waste demonstration grant project, 117
Proposed solid waste management guidelines for beverage containers, 463
Psychology of solid waste management, 87

Public attitudes towards hazardous waste disposal facilities, PB-223 638
Public health aspects of solid waste disposal, 32
Public-private partnership in solid waste management, 141
Public regulation concept in solid waste management; a feasibility study, PB-225 332
Pyrolysis of municipal solid waste, 417
Pyrolysis of solid municipal wastes, PB-222 015

Q

Quad-City solid wastes project; an interim report (June 1, 1966 to May 31, 1967), 33
Quantity and composition of post-consumer solid waste: material flow estimates for 1973 and baseline future projections, 498
Questions and answers on returnable beverage containers for beer and soft drinks, 462

R

Radiolytic hydrolysis of cellulose, PB-221 877
Rail transport of solid wastes, PB-222 709
Rail transport of solid wastes—a feasibility study; interim report, phase one, 34, PB-187 306
Rats, fires, and inner-city solid waste storage practices, 444
Raw materials transportation costs and their influence on the use of wastepaper and scrap iron and steel, v. 1, PB-229 816
Raw materials transportation costs and their influence on the use of wastepaper and scrap iron and steel, v. 2, PB-229 817
Recirculating waste system for swine units, PB-221 621
Reclamation of energy from organic waste, PB-231 176
Recommended methods of reduction, neutralization, recovery or disposal of hazardous waste, PB-224 579-Set
Recommended methods of reduction, neutralization, recovery or disposal of hazardous waste, v. 1, Summary report, PB-224 580
Recommended methods of reduction, neutralization, recovery or disposal of hazardous waste, v. 2, Toxicologic summary, PB-224 581
Recommended methods of reduction, neutralization, recovery or disposal of hazardous waste, v. 3, Ultimate incineration, PB-224 582
Recommended methods of reduction, neutralization, recovery or disposal of hazardous waste, v. 4, Miscellaneous waste treatment processes, PB-224 583
Recommended methods of reduction, neutralization, recovery or disposal of hazardous waste, v. 5, Pesticides and cyanide compounds, PB-224 584
Recommended methods of reduction, neutralization, recovery or disposal of hazardous waste, v. 6, Mercury, arsenic, chromium, and cadmium compounds, PB-224 585
Recommended methods of reduction, neutralization, recovery or disposal of hazardous waste. v. 7, Propellants, explosives, and chemical warfare materiel, PB-224 586
Recommended methods of reduction, neutralization, recovery or disposal of hazardous waste, v. 8, Miscellaneous inorganic and organic compounds; PB-224 587
Recommended methods of reduction, neutralization, recovery or disposal of hazardous waste, v. 9, Radioactive materials, PB-224 588
Recommended methods of reduction, neutralization, recovery or disposal of hazardous waste, v. 10, Organic compounds, PB-224 589
Recommended methods of reduction, neutralization, recovery or disposal of hazardous waste, v. 11, Organic compounds (continued), PB-224 590
Recommended methods of reduction, neutralization, recovery or disposal of hazardous waste, v. 12, Inorganic compounds, PB-224 591
Recommended methods of reduction, neutralization, recovery or disposal of hazardous waste, v. 13, Inorganic compounds (continued), PB-224 592
Recommended methods of reduction, neutralization, recovery or disposal of hazardous waste, v. 14, Summary of waste origins, PB-224 593
Recommended methods of reduction, neutralization, recovery or disposal of hazardous waste, v. 15, Research and development plans, PB-224 594
Recommended methods of reduction, neutralization, recovery or disposal of hazardous waste, v. 16, References, PB-224 595

Recommended standards for sanitary landfill design, construction, and evaluation and model sanitary landfill operation agreement, 230
Recovering resources from solid waste using wet-processing; EPA's Franklin, Ohio, demonstration project, 408
Recovery and utilization of municipal solid waste; a summary of available cost and performance characteristics of unit processes and systems, 177
Recycle; in search of new policies for resource recovery, 296
Recycle; use it again, Sam [bumper sticker], 414
Recycled materials markets; February 1975–a summary, 438
Recycling, 268
Recycling [flyer], 210
Recycling and reuse of waste materials; an essential feature of solid waste control systems for the future, 96
Recycling and the consumer; solid waste management, 344
Recycling and the consumer; solid waste management [mobile], 403
Recycling; assessment and prospects for success, 286
Recycling of waste oils, PB-243 222
Recycling our resources, 273
Reduce; targets, means and impacts of source reduction, 456
Reduce the incentive to waste, 500
Refuse and litter control in recreation areas, 40
Refuse as a supplementary fuel for power plants–November 1973 through March 1974; interim progress report, 387
Refuse collection and disposal; an annotated bibliography (1954-1959), 35-37
Refuse collection and disposal; an annotated bibliography (1960-1973), 38-39
Refuse shredders at EPA's Gainesville, Florida, experimental composting plant, 402
Regional management of solid wastes; a planning study, 323
Regional solid waste management representatives, 439
Relationship of solid waste storage practices in the inner city to the incidence of rat infestation and fires, 444
Report of the Solid Waste Management Advisory Group on opportunities for improving productivity in solid waste collection–1973, 441
Requiring secondary materials in Federal construction; a feasibility study, PB-241 729
Research activities of the solid wastes program of the Public Health Service, 41
Research and development for better solid waste management, 98
Residential collection systems, v. 1, 434
Residential collection systems, v. 2, Detailed study and analysis, PB-239 917
Residential, commercial and institutional solid wastes; proposed guidelines for storage and collection, 454
Residential paper recovery; a municipal implementation guide, 486
Resource and environmental profile analysis of nine beverage container alternatives; final report, v. 1-2, 405
Resource recovery–a new solid waste management philosophy and technology, 196
Resource Recovery Act; Public Law 91-512, 91st Cong., H.R. 11833 (October 26, 1970), 171
Resource recovery and land protection; an environmental imperative, 413
Resource recovery and source reduction; first report to Congress, 352
Resource recovery and source reduction; second report to Congress, 353
Resource recovery and waste reduction; third report to Congress, 448
Resource recovery in solid waste management, 241
Resource recovery losing ground, 289
Resource recovery plant cost estimates: a comparative evaluation of four recent dry-shredding designs, 482
Resource recovery plant implementation: guides for municipal officials–accounting format, 493
Resource recovery plant implementation: guides for municipal officials–financing, 471
Resource recovery plant implementation: guides for municipal officials–further assistance, 470
Resource recovery plant implementation: guides for municipal officials–interim report, 480
Resource recovery plant implementation: guides for municipal officials–procurement, 495
Resource recovery plant implementation: guides for municipal officials–risks and contracts, 496
Resource recovery, recycling and reuse, 307
Resource recovery technology update from the U.S.E.P.A.: status report on resource recovery technology: demonstrating resource recovery, 528
Resource recovery; the Federal perspective, 350
Reuse of solid waste from water-softening processes, PB-224 820

Reuse of solid wastes: a major solution to a major national problem, 119
Review of landspreading of liquid municipal sewage sludge, PB-245 271
Review of sanitary landfilling practices in the United States, 43
Review of the national solid wastes program, 42
Role of decision models in the evaluation of competing environmental health alternatives, 226
Role of nonpackaging paper in solid waste management (1966 to 1976), 170
Role of packaging in solid waste management (1966 to 1976), 44
Role of packaging in solid waste management (1966 to 1976); condensation, 243
Role of sanitary landfilling in solid waste management, 305
Routing of solid waste collection vehicles, PB-239 895-Set
Routing of solid waste collection vehicles, final report and appendix A; manual for use of the computer codes, PB-239 898
Routing of solid waste collection vehicles, final report and appendix B; a heuristic solution to the m-postman problem, PB-239 899
Routing of solid waste collection vehicles, first annual report and appendix A; a linear programming approach for the traveling salesman problem, PB-239 896
Routing of solid waste collection vehicles, first annual report and appendix B; optimal routing of solid waste collection vehicles, PB-239 897
Rubber reuse and solid waste management, pt. 1-2, 187
Rural storage and collection container systems (1972), PB-212 398
Rural storage and collection container systems (1975), PB-240 365

S

Safe and sanitary home refuse storage, 45
Salvage industry; what it is–how it works, 333
Salvage markets for materials in solid wastes, 293
Sample weights in solid waste composition studies, 133
San Diego County demonstrates pyrolysis of solid waste to recover liquid fuel, metals, and glass, 442
San Jose's municipal solid waste system; a case study, PB-240 395
Sanitary landfill; a bibliography, 46, 384
Sanitary landfill: alternative to the open dump, 285
Sanitary landfill . . . an answer to a community problem; a route to a community asset, 189
Sanitary landfill: Clark County, Arkansas, 479
Sanitary landfill design and operation, 287
Sanitary landfill design, construction, and evaluation, 185
Sanitary landfill facts, 47
Sanitary landfill; one part earth to four parts refuse, 288
Sanitary landfill synopsizer, 351
Sanitary landfilling; report on a joint conference sponsored by the National Solid Waste Management Association and the U.S. Environmental Protection Agency (Nov. 14-15, 1972), 339
Satellite vehicle systems for solid waste collection; evaluation and application, PB-197 931
Satellite vehicle waste collection systems, 262
Saving the energy in solid waste; environmental information, 503
Scrap rubber tire utilization in road dressings, PB-232 559
Scrap tires as artificial reefs, 348
Selecting solid waste disposal facilities, 219
Separating paper at the waste source for recycling, 381
Seven incinerators; evaluation, discussions, and authors' closure, 200
Sewage sludge disposal in a sanitary landfill, PB-225 360-Set
Sewage sludge disposal in a sanitary landfill, v. 1, Summary and conclusions, PB-225 361
Sewage sludge disposal in a sanitary landfill, v. 2, Description of study and technical data, PB-225 362
Single-cell proteins from cellulosic wastes, PB-223 873
Size-reduction equipment for municipal solid waste, PB-226 551
Size reduction of solid waste; an overview, 369
Ski mountain; a conceptual feasibility study in solid waste management, PB-213 697
Sludge conditioning using sulfur dioxide and low pressure for production of organic feed concentrate, PB-223 343

Socio-economic factors affecting demand for municipal collection of household refuse, PB-225 020
Solid waste–a natural resource? 77
Solid waste and fiber recovery demonstration plant for the City of Franklin, Ohio; an interim report, PB-213 646
Solid waste as fuel for power plants, PB-220 316
Solid waste conversion: cellulose liquefaction, PB-239 509
Solid waste demonstration programs . . . can they help you? 220
Solid Waste Demonstration Projects; Proceedings of a Symposium (May 4-6, 1971), 311
Solid waste/disease relationships; a literature survey, 48
Solid waste disposal; a new area of pollution, 49
Solid Waste Disposal Act, 171
Solid Waste Disposal Act Amendment of 1968; report of the Committee on Public Works, United States Senate, to accompany S. 3201, 90th Cong., 2d sess. (Report No. 1447), 51
Solid waste disposal and resource recovery grants, 221
Solid waste; disposal, reuse present major problems, 330
Solid waste disposal study; technical report; Genesee County, Michigan (June 1968), 52
Solid waste estimation procedure; material flows approach, 445
Solid waste handling and disposal in multistory buildings and hospitals, v. 1, 300
Solid waste handling and disposal in multistory buildings and hospitals, v. 2, PB-213 133
Solid waste handling and disposal in multistory buildings and hospitals, v. 3, 301
Solid waste handling and disposal in multistory buildings and hospitals, v. 4, PB-213 135
Solid waste handling in metropolitan areas, 53
Solid Waste Information Retrieval System Accession Bulletin, 195
Solid waste, it won't go away; current focus, 302
Solid waste management, 234
Solid waste management; abstracts and excerpts from the literature, v. 1-2, 127
Solid waste management; abstracts from the literature (1964), 231
Solid waste management; abstracts from the literature (1965), 257
Solid waste management; abstracts from the literature (1966), 258
Solid waste management; abstracts from the literature (1967), 281
Solid waste management; abstracts from the literature (1968), 282
Solid waste management; an overview, 304
Solid waste management and the packaging industry, 107
Solid waste management/composting; European activity and American potential, 55
Solid waste management demonstration grant projects–1971; for grants awarded during the period June 1, 1966-June 30, 1971, 232
Solid waste management glossary, 279
Solid waste management; guidelines for beverage containers, 463
Solid waste management: horizons unlimited, 525
Solid waste management in high-rise dwellings; a condensation, 292
Solid waste management in recreational forest areas, 167
Solid waste management in residential complexes, 248
Solid waste management in the drug industry, PB-225 333
Solid waste management in the food processing industry, 198, PB-219 019
Solid waste management in the industrial chemical industry, PB-226 420
Solid waste management study for the Port of Tacoma, PB-226 042
Solid waste management: the Federal role, 56
Solid waste management, the national issues; community guide, 303
Solid waste management today . . . bringing about municipal change, 466
Solid waste management training bulletin of courses (July 1971–December 1972), 208
Solid waste milling and disposal on land without cover, v. 1, Summary and major findings, PB-234 930
Solid waste milling and disposal on land without cover, v. 2, Data condensations, PB-234 931
Solid waste processing; a state-of-the-art report on unit operations and processes, 114
Solid waste recycling projects; a national directory, 341
Solid waste reduction/salvage plant; an interim report; City of Madison pilot plant demonstration project, June 14 to December 31, 1967, 57
Solid waste shredding and shredder selection. 433
Solid waste transfer and disposal for rural areas, 174

Solid waste transfer stations; a state-of-the-art report on systems incorporating highway transportation, 337
Solid waste transfer stations; a state-of-the-art report on systems incorporating highway transportation, PB-213 511
Solid wastes and air pollution, 100
Solid wastes demonstration grant abstracts; grants awarded January 1-June 30, 1969, 78
Solid wastes: every day, another 800 million pounds, 58
Solid wastes handling, 79
Solid wastes landfill stabilization; an interim report, 54
Solid wastes management in Germany; report of the U.S. Solid Wastes Study Team visit (June 25-July 8, 1967), 59
Solid wastes problems and programs: a challenge to the professional sanitarian, 80
Solid wastes program of the U.S. Public Health Service, 81
Solid wastes; proposed guidelines for storage and collection, 454
Solving the abandoned car problem in small communities, 354
Some effects of disposable plastic liners on refuse handling efficiency, 60
Some specialized equipment used in European compost systems, 61
Sonoma County solid waste stablization study (1974), PB-230 379
Sonoma County solid waste stabilization study (1975), PB-239 778
Source reduction fact sheet; Red Owl Stores program, 416
Source reduction fact sheet: reducing waste at its source, program of International Paper Company and Wells Dairy, 447
Source separation for materials recovery; guidelines, 473
Special studies for incinerators for the government of the District of Columbia, PB-187 286
Special studies of a sanitary landfill, PB-196 148
Specifications for materials recovered from municipal refuse, PB-242 540
St. Louis power plant to burn city refuse, 180
St. Louis refuse processing plant: equipment, facility, and environmental evaluations, PB-243 634
State activities in solid waste management (1974), 457
State and interstate solid waste planning; a case study of Federal-state partnership, 215
State/interstate solid waste planning grants and agencies (January 1969), 63
State/interstate solid waste planning grants; progress abstracts (January 1969), 64
State program implementation guide: hazardous waste surveys, 464
State program implementation guide: hazardous waste transportation control, 512
State solid waste management agencies, 393
State solid waste management and resource recovery incentives act (proposed), 377
State solid waste planning grants, agencies, and progress–1970; report of activities through June 30, 1970, 163
Statement of Arsen J. Darnay, Jr., Acting Deputy Assistant Administrator for Solid Waste Management Programs, Environmental Protection Agency, before the Subcommittee on Minerals, Materials and Fuels, Committee on Interior and Insular Affairs, United States Senate, Washington, D.C. (October 30, 1973), 358
Statement of Honorable John R. Quarles, Jr., Deputy Administrator, Environmental Protection Agency, before the Subcommittee on the Environment, Committee on Commerce, U.S. Senate (May 7, 1974), 459
Statement; Samuel Hale, Jr., Deputy Assistant Administrator for Solid Waste Management Programs, before the Subcommittee on the Environment, Committee on Commerce, United States Senate (June 11, 1973 [and] June 22, 1973), 357
States' roles in solid waste management; a task force report, 327
Status of solid waste management in the United States, 526
Studies on modifications of solid industrial wastes, PB-222 419
Study of corrosion in municipal incinerators versus refuse composition, PB-238 747
Study of Federal subsidies to stimulate resource recovery, PB-239 736
Study of hazardous waste materials, hazardous effects and disposal methods, PB-221 464-Set
Study of hazardous waste materials, hazardous effects and disposal methods, v. 1, Purpose, scope, approach and principal findings of study, PB-221 465
Study of hazardous waste materials, hazardous effects and disposal methods, v. 2, PB-221 466
Study of hazardous waste materials, hazardous effects and disposal methods, v. 3, PB-221 467
Study of incinerator residue analysis of water soluble components, PB-222 458
Study of institutional solid wastes, PB-223 345
Study of pneumatic solid waste collection systems as employed in hospitals, PB-236 543
Study of residential solid waste generated in low-income areas, 242

Study of solid waste collection systems comparing one-man with multi-man crews; a condensation, 298
Study of solid waste collection systems comparing one-man with multi-man crews; final report, 65
Study of solid waste management; committee guide, 259
Study of solid waste management practices in the pulp and paper industry, PB-234 944
Study of the economics of hospital solid waste systems, PB-221 681
Study of the technical and economic feasibility of a hydrogenation process for utilization of waste rubber, PB-222 694
Study of utilization and disposal of lime sludges containing phosphates, PB-222 354
Study report on a pilot-plant conical incinerator, 213
Study to identify opportunities for increased solid waste utilization, v. 1, PB-212 729
Study to identify opportunities for increased solid waste utilization, v. 2-7, PB-212 730
Study to identify opportunities for increased solid waste utilization, v. 8-9, PB-212 731
Stuff we throw away, 267
Stuff we throw away [flyer], 211
Suggested solid waste management ordinance for local government, 419
Summaries of solid waste intramural research and development projects, 165
Summaries of solid waste management contracts (July 1, 1965-June 30, 1970), 85
Summaries of solid waste management contracts (July 1, 1970-March 31, 1975), 469
Summaries of solid waste research and training grants (1968), 67
Summaries of solid waste research and training grants (1970), 190
Summaries; solid wastes demonstration grant projects (1969), 66
Summary of hazardous substance classification systems, 489
Survival of pathogens in animal manure disposal, PB-222 337
Symposium of State and Interstate Solid Waste Planning Agencies (Sept. 9-11, 1969), 194
Systems analysis of regional solid waste handling, 136
Systems simulation and solid waste; a case study, PB-222 995
Systems study of solid waste management in the Fresno area; final report on a solid waste management demonstration, 84

T

Tactics, strategy: the solid waste battle, 99
Tampa's municipal solid waste management system; a case study, PB-225 291
Technical and economic study of waste oil recovery, pt. 1, Federal research on waste oil from automobiles, PB-237 618
Technical and economic study of waste oil recovery, pt. 2, An investigation of dispersed sources of used crankcase oils, PB-237 619
Technical and economic study of waste oil recovery, pt. 3, Economic, technical, and institutional barriers to waste oil recovery, PB-237 620
Technical assistance activities of the solid wastes program, 68
Technical-economic study of solid waste disposal needs and practices, 92, PB-187 712
Technical, environmental and economic evaluation of the "wet processing system for the recovery and disposal of municipal solid waste," PB-245 674
Tentative procedure analyzing pesticide residues in solid waste, PB-222 165
Tetrachlorodibenzodioxin: an accidental poisoning episode in horse arenas, 474
Tezuka refuse compression system; a preliminary report, 69
There lived a wicked dragon, 335
There's gold in your garbage, 421
Thermal processing and land disposal of solid waste; guidelines, 385
Thermophilic aerobic digestion of organic solid wastes, PB-222 396
Third pollution, 266
Third pollution [flyer], 70
Tire recycling and reuse incentives, PB-234 602
Toward a new environmental ethic, 237
Transportation rates and costs for selected virgin and secondary commodities, PB-233 871
Trends in wastepaper exports and their effects on domestic markets, 397

U

Ultimate disposal of spilled hazardous materials, 506
Urban solid waste management; economic case study, PB-213 394
Urban street cleaning, PB-239 327
U.S. finds a rich resource; the nation's trash pile, 396
Use of bags for solid waste storage and collection, PB-212 590
Use of domestic waste glass for urban paving, PB-222 052
Use of domestic waste glass for urban paving; summary report, PB-242 536
Use of solid waste as a fuel by investor-owned electric utility companies: proceedings; EPA/Edison Electric Institute Meeting, 467
Use of the water balance method for predicting leachate generation from solid waste disposal sites, 483
User's manual for COLMIS; a collection management information system for solid waste management, v. 1, 370
User's manual for COLMIS; a collection management information system for solid waste management, v. 2, 371
Users' guide to the solid waste information retrieval system thesaurus, 374
Uses and abuses of waste, 476
Utilization and disposal of poultry manure, 82
Utilization of bark waste, PB-221 876
Utilization of fibrous wastes as sources of nutrients, PB-223 625

W

Waste management—private and public perspectives, 380
Waste not, want not, 313
Waste oil recycling and disposal, PB-235 857
Waste processing complex emphasizes recycling, 309
Waste reduction and resource recovery—there's room for both, 505
Waste wood and bulky refuse disposal; St. Louis facilities, PB-228 119
Wastepaper recycling: review of recent market demand and supply, 511
Wet systems for residential refuse collection; a case study for Springfield, Massachusetts, PB-234 499
What the people want you to do with solid waste, 315
What you can do to recycle more paper, 446
What's new in solid waste management? 269
Where have all the toxic chemicals gone? 415
Where the boilers are; a survey of electric utility boilers with potential capacity for burning solid waste as fuel, PB-239 392
Where will we put all that garbage? 120
Wichita's municipal solid waste management system; a case study, PB-233 878
Win the war on waste, 460
Wood waste reuse in controlled release pesticides, PB-222 051

XYZ

No entries.

author index

Numbers following entries are order numbers, by which the publications are listed in this catalog. PB numbers refer to National Technical Information Service reports, which are listed in a separate section.

A

Achinger, W. C., 200, 213
Ackart, W. B., PB-213 488
ACT Systems, Inc., 434, PB-239 917
Aerojet-General Corporation, 84
Albert Switzer & Associates, Inc., 94
Albrecht, O. W., PB-223 034
Alexander, T., 120
Allan, G. G., PB-222 051
Allison, G., 424, 456
Allred, E. R., PB-222 337
Alter, H., PB-242 540
American Public Works Association, PB-222 709
American Public Works Association Research Foundation, 69, PB-187 306
A. M. Kinney, Inc., PB-234 715-PB-234 716
Anastas, M. Y., PB-238 654
Andersland, O. B., PB-239 618, PB-239 869
Anderson, R. J., 32
Anderson, T., 327
Andres, D. R., 174
Andrews, J. F., PB-222 396
Antoni, C. M., PB-222 419
Applied Management Sciences, Inc., 346, PB-225 291, PB-225 296, PB-225 299, PB-225 332, PB-228 161, PB-233 878, PB-234 068, PB-234 139-PB-234 141, PB-234 713, PB-234 945, PB-236 662, PB-240 395
Arella, D. G., 468, 419
Armstrong, D. H., 151, PB-222 160
Arthur D. Little, Inc., 316, PB-225 164, PB-239 119, PB-250 798, PB-250 802, PB-250 905
Asce, A. M., 251
Ayres, E., PB-234 602

B

Ball, G. L., PB-222 001
Bancroft, R. L., 466
Banks, M. E., 222
Barbour, J. F., PB-233 178
Barr Engineering Company, PB-249 747
Battelle Columbus Laboratories, 114, PB-213 378, PB-243 366, PB-245 271
Battelle Memorial Institute, PB-212 729-PB-212 731, PB-233 630-PB-233 631
Battista, C. A., PB-222 694
Beck, W. M., Jr., PB-225 346
Bender, D. F., PB-220 479
Bendersky, D., 321, 412
Bendixen, T. W., 42, 160-161
Berkowitz, J. B., PB-239 119
Besley, H. E., PB-223 430
Bete, Channing L. *See* Channing L. Bete Co., Inc.
Bingham, T. H., 326, 437, PB-213 431
Bjornson, B. F., 23, 155
Black, R. J., 12-13, 26, 31, 37-39, 43, 45, 53, 71, 76, 79, 189, 288, 305, 340, 457, 469
Boettcher, R. A., 102, 256
Boettner, E. A., PB-222 001
Bogue, M. D., 23, 49, 75, 238
Bolly, M., 375
Bolton, R. E., PB-236 085
Bond, R. G., PB-221 681, PB-222 018
Booth, D. H., 255
Booz-Allen and Hamilton, Inc., PB-240 988
Booz Allen Applied Research, Inc., PB-221 464-Set, PB-221 879
Boston, R. J., 49
Boyd, G. B., 235
Boyd, J. L., 115
Boyd, W. K., PB-238 747
Bradbury Associates, Inc., PB-234 605
Braids, O. C., 229
Brand, B. G., PB-232 559
Breidenbach, A. W., 29, 41, 98, 134, 165, 212
Britton, P. W., 28, 310
Brown, D. E., PB-238 819
Brown, R. P., 157, 162, 192
Brunner, D. R., 156, 287
Buchanan, C. C., 348
Burchinal, J. C., PB-223 345
Buth[illegible] M., 95

C

California State Department of Public Health, 175
Callihan, C. D., 186, PB-223 873
Calspan Corporation, PB-243 386
Carlson, O. N., PB-223 740
Carnes, R. A., 158, PB-222 165
Carotti, A. A., 368
Carroll, T. E., PB-245 271
Carruth, D., 97, 133
Casana, J., PB-241 204
Channing L. Bete Co., Inc., 290
Chapman, R. A., 190
Charnes, A., PB-208 154
Chicago, University of, PB-225 020
Cimino, J. A., 426
Citizens' Advisory Committee on Environmental Quality, 307
Clark County, Arkansas, 479, PB-243 029
Clark, R. M., 103, 132, 146, 160-161, 164, 173, 219, 228, 247, 251, 355, PB-213 308, PB-213 394, PB-213 4[illegible], PB-222 995

Clark, T. D., 225
Claussen, E. L., 325, 332, 422
Clendinning, R. A., PB-213 488
Cohen, S., PB-236 904
Coleman, E., 295
Coleman, W. E., 312
Colonna, R. A., 394
Combustion Engineering, Inc., PB-187 712
Combustion Power Company, Inc., PB-187 299
Compton, D. M. J., PB-247 566-PB-247 576
Connolly, H. H., 85, 179
Connolly, J. A., 1, 231, 257, 294, 317, 374
Converse, A. O., PB-221 239
Cope, F. W., 174
Council of State Governments 377, 383
Crane, L. E., 53
Cross, J. A., 405
Cukor, P., PB-237 618-PB-237 620
Cummins, R. L., 83, 139
Currier, R. A., PB-221 876

D

Dale, A. C., 297
Dane, S., 343
Daniels, L. E., 200
Darnay, A. J., 44, 170, 286, 293, 358, 364, 380, 413
Da Vee, W., PB-239 196
Davidson, G. R., Jr., 242, 355
Davis, P. L., 13, 38, 53
Davis, R. H., 400
Day, D. E., PB-222 052, PB-242, 536
Day, D. L., 297
Day & Zimmerman, 62, PB-187 286
Dayton University Research Institute, PB-244 310-PB-244 312
Decker, W. M., 20
DeGeare, T. V., 240, 355
Dehn, W. T., 139, 163, 354
Delaney, J. E., 262, 339, 351
DeMarco, J., 122, 197
Dial, C. J., 274
Diesch, S. L., PB-222 337
Dindal, D. L., 322
District of Columbia, 191
District of Columbia, Department of Sanitary Engineering, 105, PB-[illegible] 286
Drobny, N. L., 177
Dunlap, C. E., 186, PB-223 873
Duvall, D. S., PB-244 310-PB-244 312

E

Edmund, S., 159
Eilers, R. G., PB-222 000, PB-222 029, PB-222 031
Eitel, M. J., 236
Eldredge, R. W., 98
Eliassen, R., PB-221 172
Ellison, F., PB-202 202
EMCON Associates, PB-230 379, PB-239 778
Engdahl, R. B., 114
Engineering-Science, Inc., 11, PB-218 672
Enviro-Engineers, Inc., PB-239 357
Environmental Engineering, Inc., PB-222 710
Environmental Scientists and Engineers, 233
Ernest, U., PB-239 116
Esco/Greenleaf, 300-301, PB-213 133, PB-213 135

F

Fain, C. C., 236
Farb, D., 468
Farvolden, R. N., 223
Ferguson, T. L., PB-244 557
Fiedelman, B. P., 253
Fields, T., Jr., 427, 475
[illegible]n, M., 335, 430
Finley, Stuart. *See* Stuart Finley, Inc.
First, M. W., PB-221 684
Fiscus, D. E., PB-243 634
Fisette, G. R., PB-234 497
Flack, J. E., 77
Fleischer, L. R., PB-221 095
Flower, W. A., 308-309
Floyd, E. P., 29, 134
Fookson, A., PB-222 115
Foran, J. F., PB-229 816-PB-229 817
Franklin Institute Research Laboratories, 258, 281-282
Franklin, W. E., 44, 170, 293, 321, 405
Freed, V. H., PB-233 178
Frohnsdorff, G., PB-222 115
Fungaroli, A. A., 245, PB-209 001-PB-209 00[illegible]
Fuschini, V. P., 374

G

Gainesville Municipal Waste Conversion Authority, Inc., PB-187 311, PB-222 710
Garbe, Y. M., 491
Garland, G. A., 10, 228, 347, 411, 435
Garretson-Elmendorf-Zinov-Reibin, PB-212 398
Gartrell, F. E., 9
Geswein, A. J., 428
Geyer, J. A., PB-213 487
Gilbertson, W. E., 53
Gill, R., 375
Gillean, J. I., PB-222 995
Gluckman, L. A., 194
Goldberg, T. L., 342
Golueke, C. G., 127-128, 178, PB-222 454
Gordian Associates, Inc., PB-239 392
Gordon, M., 5
Gorham International, Inc., PB-234 944
Gorman, P. G., PB-243 634
Graham, W. M., 95
Gransky, M. J., 187
Great Lakes Research Institute, PB-208 674
Greenleaf/Telesca, 94, 248
Grethlein, H. E., PB-221 239
Groner, R. R., PB-233 178
Grossman, D. S., PB-239 117, PB-239 494
Grove, C. S., PB-222 419
Grupenhoff, B. L., 228
Gumtz, G. D., PB-242 461
Gunnerson, C. G., 130, 157, 404
Guscler, A. R., PB-229 256
Gutfreund, K., 199

H

Hakki, A., PB-239 392
Hale, S., 250, 276, 289, 306, 320, 334, 357
Hall, C. F., PB-222 148
Hall, E. D., PB-222 000, PB-222 029, PB-222 031
Ham, R. K., PB-234 930-PB-234 931
Hamilton, A., 131
Hammond, V. L., PB-212 589
Hampel, C. R., 216-218
Hanks, T. G., 48
Hansen, P., 341, 486, 510
Hart, S. A., 55, 59
Harza Engineering Co., PB-187 301

Haug, L. A., 288
Hawkins, D., 470
Hawkins, M. B., 235
Hayes, A. J., 429
Hecht, N. L., PB-244 310-PB-244 312
Hegdahl, T. A., 377, PB-213 511
Heimberg, R. W., PB-223 651
Helms, B. P., 146, 173, 219, 251
Henderson, W. G., 39
Henningson, Durham & Richardson, Inc., 6, 183, 249, PB-233 873
Henriksen, P., 418
Herbert, W., 308-309
Herson, E. M., 77
Hickman, H. L., Jr., 4, 26, 47, 68, 113, 141, 185, 215, 227, 234, 246, 306, 395
Hill, J. A., 306
Hilovsky, J., PB-202 202
Hinesly, T. D., 229, PB-236 402
Hitte, S. J., 433, 451, 458
Hoffman, D. A., PB-222 015
Hofmann, Ross, Associates, PB-236 543
Holcombe, K., PB-226 420
Honea, F. I., 412
Hong, S., PB-239 896
Horne, R., PB-239 119
Horner & Shifrin, Inc., 264, PB-220 316
Hortenstine, C. C., PB-222 422
Howes, J. R., PB-222 148
Hubbard, S. J., 156
Huber, D. R., 427
Hudson, H., 139
Hudson, H. T., 198
Hudson, J. F., PB-239 117, PB-239 494
Hughes, G. M., 223
Hulbert, S. F., 236
Hull, H. E., 177
Hultgren, L. F., 64
Humber, N., 505
Humboldt County, California, PB-212 398, PB-240 365
Humpstone, C. C., PB-234 602
Hunt, R. G., 405

I

Iglar, A. F., PB-222 018
Inglett, G. E., 312
Institute of Public Administration, PB-237 618-PB-237 620
International Research and Technology Corp., PB-222 467, PB-234 602
International Research Group on Refuse Disposal, 89, 142-145
Israel Program for Scientific Translations, 89, 142-145

J

James, R. W., PB-213 577
Jensen, M. E., 93
Johnson, H., 148, 190
Jones, D. D., 297
Jones & Henry Engineers Ltd., 117

K

Kaiser Engineers, PB-226 042
Kaiser, E. R., 14, PB-221 731
Kalika, P. W., PB-226 420
Kambhu, K., PB-222 396
Kantz, R., 46, 384
Karandikar, S., PB-221 239
Kasner, D., PB-221 731
Katsuyama, A. M., PB-219 019
Kaufman, A. J., 126
Kaufman, J. A., PB-239 509
Keagy, D. M., 16
Keahey, S. G., PB-234 602
Keaton, M. J., PB-237 618-PB-237 620
Keene, A. G., 190
Kehr, W. Q., 254
Keller, D. J., 122, 156, 287
Kelly, J. A., PB-221 877
Kennedy, J. C., 110
Kentucky State Department of Health, 181, PB-201 205
Kiefer, I., 243, 283, 292, 298, 323-324, 333, 382, 406
King, K., PB-247 566-PB-247 567
Kinney, A. M. *See* A. M. Kinney, Inc.
Klee, A. J., 10, 26, 28, 87, 97, 99, 101, 133, 137, 149, 216-218, 226, 228, 338
Klumb, D. L., 180
Kochtitzky, O. W., 8, 74
Kohan, A. M., 489
Kos, P., PB-234 498
Krause, H. H., PB-238 654, PB-238 747
Krause, K. W., PB-225 333
Krueger, W. F., PB-222 148
Kruse, C. W., 123
Kruth, M. A., 255
Kuhner, J., PB-236 085
Kuhrtz, S., PB-221 239

L

Lackey, L. L., PB-223 638
Landon, R. A., 223
Laver, M. L., PB-221 876
Lawless, E. W., PB-244 557
Lazar, E. C., 494
League of Women Voters of the U.S., 259, 296, 302-303, 456
Leatherwood, J. M., PB-223 625
Leckie, J. O., PB-221 172
Leckman, J., 122
Lee County, Mississippi, Board of Supervisors, PB-241 468
Lefke, L. W., 67, 116, 190, 241
Lehman, J. P., 399
Leonard, R. J., PB-239 392
Leonard S. Wegman Co., Inc., PB-222 588, PB-225 159
Levis, A. H., PB-239 327
Levy, S. J., 401, 417, 442
Liebman, J. C., 123, 147, PB-239 896-PB-239 899
Lindsey, A. W., 427, 475, 506
Lingle, S., 381, 420, 438, 465, 528
Littig, K. S., 155
Little, Arthur D. *See* Arthur D. Little, Inc.
Little, H. R., 284
Lonergan, R. P., 77
Los Angeles County, Department of County Engineer, 11, PB-218 672
Lossin, R. D., 126, 158, 204-206
Loube, M., 378, 487
Louisville, University of, 125
Lowe, R. A., 264, 378, 467
Lusk, W. D., 222
Lynn, Massachusetts, City of, PB-214 166

M

McCandless, L. C., PB-241 204
McDermott, R. G., PB-223 034
McElwee, W. C., 60
McEwen, L., 432

McGauhey, P. H., 128, 169
McGough, E., 273
McLeer, T. J., PB-213 577
McMichael, W. F., PB-227 005
Madison, City of, Engineering Staff, 57
Madison, M., 423
Maizus, S., PB-243 222
Male, J. W., PB-239 899
Malisch, W. R., PB-222 052, PB-242 536
Management Technology, Inc., 106
Mank, J. F., 369
Marceleno, T., 299
March, F., PB-239 119
Markiewicz, W. J., 187
Marks, D. H., 147, PB-239 117, PB-239 494
Martin, E. J., PB-242 461
Maryland Environmental Services, PB-242 461
Marynowski, C. W., 244
Meier, P. M., PB-234 496-PB-234 497, PB-234 499, PB-236 085
Meiners, A. G., PB-244 557
Meller, F. H., 91
Mercer, W. A., PB-219 019
Meresman, S. J., 135
Merz, R. C., PB-196 148
Messman, S. A., 237
Metcalf & Eddy, Inc., PB-214 166, PB-219 372
Metropolitan Sanitary District of Greater Chicago, PB-213 697
Meyers, S., 526
Midwest Research Institute, PB-226 551, PB-243 634, PB-244 557, PB-245 924
Milgrom, J., PB-214 045, PB-229 727
Miller, B. F., PB-221 171
Miller, P. D., PB-221 851
Miner, J. R., PB-221 621
Minnesota Pollution Control Agency, PB-249 747
Missouri, University of, PB-242 536
Mitre Corporation, 495
Mix, S. A., 58
Molina, J. E., 229
Mooser, S., 424
Morse, N., 136
Mosher, D. C., 435
Moshman Associates, Inc., PB-233 871
Muhich, A. J., 26, 28, 121, 216-218
Mulligan, P. F., 326, PB-213 341

N

National Academy of Engineering–National Academy of Sciences, 112
National Academy of Sciences, PB-197 623
National Analysts, Inc., PB-213 340
National Association of Counties, 373
National Association of Counties Research Foundation, 138, 239, 419
National Center for Resource Recovery, Inc., PB-242 540
National Commission on Productivity, 440-441
National Commission on Technology, Automation, and Economic Progress, 2
National League of Cities, 331
National Oil Recovery Corporation, PB-243 222
National Research Council, PB-197 623
National Solid Wastes Management Association, 230
Neff, N. T., PB-213 646
Nelson, R. D., PB-224 820
Newton, J. L., 122, 156
Nixon, R., *Pres. U.S.*, 129

O

Oberacker, D. A., PB-240 723
Olson, N. A., PB-219 019
Ongerth, A. M., 240
Ongerth, R. H., PB-235 770
Onondaga County Solid Waste Disposal Authority, PB-245 672
Opferkuch, R. E., PB-222 354
Oregon State Board of Health, 168
Ottinger, R. S., 222, PB-224 579-Set

P

Park, W. R., 321
Pathak. A. A., PB-233 360
Patrick. Z. A., PB-222 113
Perkins, R. A., PB-197 931
Peterson, B., 421
Peterson, M. L., 88, 184, 224, PB-220 479, PB-222 160
Pettigrew, R. J., 187
Pfeffer, J. T., PB-231 176
Pilie, R. J., PB-243 386
Pomeroy, B. S., PB-222 337
Porter, C. H., 464, 512
Porter, R. C., PB-233 873
Potts, J. E., PB-213 488
Powell, M. D., 253
Pratt, H. D., 155
Prior, L. A., 484
Proctor, D. E., PB-233 441
Protzmann, R., PB-202 202
Purcell, T. C., 295
Purdom, P. W., PB-222 458
Putnam, R. C., PB-202 202

Q

Quarles, J. R., Jr., 459
Quirk, R. L., PB-219 019
Quon, J., PB-208 154

R

Rachidi, A. S., PB-244 311
Radinsky, S., 317, 374
Rains, W. A., PB-243 028
Ralph Stone and Co., Inc., 54, 65, PB-212 590, PB-225 360-Set, PB-238 819, PB-247 185
Ramsey, J. M., 510, PB-241 729
Randol, R. E., 471, 496
Reeves, W. R., PB-242 540
Regan, R., PB-215 722
Regan, W. J., PB-213 577
Reinhardt, J. J., 57, PB-234 930-PB-234 931
Resource Planning Associates, PB-234 612, PB-239 736, PB-241 729
Resource Planning Institute, PB-229 220
Rhee, S. S., PB-229 256
Robinson, D. J., PB-233 641
Roe, M. J., 253
Rogers, C. J., 295
Rogers, H. W., 433
Rohlich, G., 57
Roninger, F. H., 187
Ross Hofmann, Associates, PB-236 543
Roth, E. W., 136
Rothwell, D. F., PB-222 422
Ruckelshaus, W. D., 304
Ruf, J. A., 402

S

Sachsel, G. F., 261
Safety Sciences, PB-247 566-PB-247 567
San Diego, City of, PB-214 960
Sarofim, A. F., PB-223 626
Scarpino, P. V., 295
Schell, T., PB-234 602
Schmidt, F. A., PB-223 740
Schoenberger, R. J., PB-222 458
Schrag, M. P., 412
Schur, D. A., 356
Scottsdale, Arizona, City of, 472
SCS Engineers, PB-213 311, PB-239 775-PB-239 776
Scurlock, A. C., 427
Seaman, W. K., 74
Senn, C. L., PB-225 160
Senske, M. L., 139
Shafizadeh, F., PB-229 246
Shannon, L. J., 321, 412, PB-243 634
Sharpe, L., 315
Shell, G. L., 115
Shilepsky, A., 480
Shilesky, D. M., PB-225 333
Shipley, M. C., 77
Shuster, K. A., 356, 407, 409, 436
Shuster, W. W., 154
Singer, R. D., PB-227 708
Skinner, J. H., 350, 388, 500
Slimak, K., PB-241 204
Smith, D. D., 157, 162, 192
Smith, F. A., 378, 443, 482, 498
Smith, F. L., Jr., 397, 445, 511
Smith, H. G., 9
Smith, R., PB-222 000, PB-222 029, PB-222 031
Smith, R. A., 368
Smith, R. M., PB-237 525
Smithers Scientific Service, Inc., PB-243 028
Snyder, W. C., PB-222 113
Sorg, T. J., 47, 104, 277-278, 355
Sosnovsky, C. H., 252
Spino, D. F., 295
Spitzer, P. E., 220
Sponagle, C. E., 66, 78, 232
Spooner, C. S., 167
Stainback, S. E., 231, 257
Stearns, R. P., 400
Steele, J. H., 20
Steimle, F. W., Jr., 348
Steiner, R. L., 384
Stevens, B. H., PB-239 631
Stevenson, M. K., PB-221 172
Stierli, H., PB-220 479
St. Louis, Missouri, City of, PB-228 119
Steiner, R. L., 46
Stone, G. E., 488
Stone, R., 391, PB-196 148, PB-238 819
Stone, Ralph. *See* Ralph Stone and Co., Inc.
Stone, R. B., 348
Stragier, M. G., PB-239 195-PB-239 196
Stuart Finley, Inc., 265-272
Stump, P. L., 66, 232, 311
Stutzenberger, F. J., 88, 126
Sullivan, R. J., PB-225 333
Sussman, D. B., 431, 493
Sutterfield, G. W., 180, 387
Swavely, D. D., 64, 163
Sweeney, B. L., 163
Sweeten, J. M., 351
Switzer, Albert. *See* Albert Switzer & Associates, Inc.
Systems Technology Corporation, PB-245 674

T

Talley, R. J., PB-235 770
Talty, J. T., 196
Taylor, P., 424
Teknekron, Inc., PB-237 618-PB-237 620
Testin, R. F., 177
Thomas, Dean & Hoskins, Inc., 118
Thurnau, R. C., PB-240 723
Toftner, R. O., 124, 132, 160-161, 163, 164, 247, 336, PB-226 099
Tolleson, Arizona, City of, PB-239 196
Townley, D. A., 80
Train, R. E., 460, 476, 525
Truitt, M. M., 123
TRW Systems Group, PB-224 579-Set, PB-250 717
Tunnah, B. G., PB-239 392

U

Ulmer, N., PB-231 203
Ulrich, E., PB-239 116
University of Illinois, 237
U.S. Conference of Mayors, 331
U.S. Congress, Senate, Committee on Public Works, 410
U.S. Department of Transportation, Federal Highway Administration, 455
U.S. Environmental Protection Agency, 454, 463, 473, 490, 504, 516
U.S. Environmental Protection Agency, Office of Solid Waste Management Programs, 203, 390, 439, 448, 461-462, 493

V

Vasan, K. S., PB-231 309
Vaughan, D. A., PB-221 851, PB-238 654, PB-238 747, PB-243 366
Vaughan, R. D., 26-27, 56, 73, 81, 96, 100, 107-109, 119
Veenstra & Kimm, 249
Versar, Incorporated, PB-241 204, PB-244 382
Vey, E., PB-224 820
Vincent, B. W., 444
VTN, Inc., PB-224 996

W

Wahl, D., 456, 465
Walker, W. H., 415
Wallace, L. P., PB-223 345
Wallman, H., PB-236 904
Ward, S. D., 468
Washington State University, PB-233 441
Wathne, M., PB-239 897
Weaver, L., 30, 35, 40, 71
Weddle, B. R., 347, 411, 423
Wegman, Leonard S. *See* Leonard S. Wegman Co., Inc.
Weinberg, M. S., PB-223 343
Weinhold, A. R., PB-222 113
Weinstein, N. J., PB-235 857
Weiss, A. H., PB-239 509
Weiss, B., PB-222 001
Welch, R. O., 405
Wener, S. D., 481
Werman, S., PB-208 154
Weston, R. F., 233
Wetzel, R., PB-241 204
Wheeler, J. B., 39
Wilcomb, M. J., 60, 185
Wilcox, G., PB-237 618-PB-237 620
Wiles, C. C., 488
Wiley, J. S., 8-9, 21-22, 61, 74, 82

Williams, D. E., PB-243 028
Williams, E. R., 36-37
Williams, T. F., 318, 360, 379, 515
Wilson, D. L., 193
Winkler, P. F., PB-229 901
Winston-Salem, North Carolina, City of, PB-239 357
Wisely, F. E., 180
Wixson, B. G., PB-222 052, PB-242 536
Wolcott, R. M., 444
Wolf, K. W., 252
Wolk, R. H., PB-222 694
Woodall, A. E., 405
Wren, E. J., PB-222 468
WSA, Incorporated, PB-247 566-PB-247 567

XYZ

Yaffe, H. J., PB-227 075
Yates, D. L., 255
Zandi, I., PB-223 162
Zausner, E. R., 86, 111, 153, 176, 182, 188
Zimmer, C., PB-221 731

order blank for oswmp publications

Name ______________________________ Please print name and address legibly.

Title ______________________________ Please limit your selection to ten titles.

Company ______________________________

Department ______________________________ Date ______________

Street ______________________________

City, State ______________________________ Zip ______________

Circle order numbers.

1	2	8	9	14	15	21	22	28	30	35	36	37	38	39	40
44	47	53	55	65	77	85	86	89	91	93	94	95	101	104	105
106	110	111	113	115	116	117	118	122	123	124	125	127	128	130	134
136	142	143	144	145	147	153	154	156	159	164	165	166	169	170	171
172	176	177	182	187	188	189	190	192	194	199	200	203	212	216	217
218	222	223	228	229	230	231	232	235	236	238	239	242	243	244	245
246	248	249	253	255	256	257	258	259	261	262	264	265	266	267	268
269	270	271	272	273	274	275	277	278	279	280	281	283	284	286	287
288	290	291	292	293	294	296	297	298	299	300	301	302	303	304	305
307	308	309	310	311	312	313	314	315	316	317	318	319	322	323	324
325	327	330	331	332	333	334	335	336	337	339	341	342	343	344	345
346	348	349	350	351	352	353	354	355	356	357	358	359	360	364	368
369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384
385	386	387	388	389	390	391	392	393	394	401	402	403	404	405	406
407	408	409	410	411	414	415	416	418	422	423	424	428	430	431	432
433	436	437	439	440	441	442	443	444	445	446	447	448	449	450	451
452	453	454	455	456	458	459	460	461	462	463	464	465	466	467	468
470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485
486	487	488	489	490	491	492	493	494	495	496	498	500	502	503	504
505	506	507	511	512	515	516	525	526	527	528					

Send to: Solid Waste Information
U.S. Environmental Protection Agency
Cincinnati, Ohio 45268

(May be photocopied.)

order form for ntis reports

MAIL ORDER TO:

National Technical Information Service
U. S. DEPARTMENT OF COMMERCE
5285 Port Royal Road, Springfield, Va. 22161

Date ______________________

Ship to:

Name ______________________

Address ______________________

City, State, ZIP ______________________

Microfiche copies are $2.25 each for all NTIS reports listed in this catalog.

See reverse for prices of NTIS reports.

☐ Charge my NTIS deposit account no. ______________

☐ Check enclosed for $ ______________

☐ Bill me (not applicable to foreign customers); add $5.00 per order.

All foreign buyers must add the following charges to each order.
$2.50 for each document
$1.50 for each microfiche

Please allow 3 - 5 weeks on your order.

Document Number	Customer Routing Code*	Check one		Quantity	Unit Price	Total Price
		Paper Copy	Micro fiche			

(NTIS: Titles ordered are from the publication, *Available Information Materials: Solid Waste Management*, U.S. Environmental Protection Agency.)

Enter Grand Total → $

(Form may be photocopied.)

***Routing Code.** NTIS can label each document for routing within your organization.

prices for ntis reports

The prices listed below are for paper copies of reports issued through the National Technical Information Service, U.S. Department of Commerce, Springfield, Virginia 22161. (Microfiche copies are $2.25 for all NTIS reports.)

No. of Pages	Price*
001 - 025	$ 3.50
026 - 050	4.00
051 - 075	4.50
076 - 100	5.00
101 - 125	5.50
126 - 150	6.00
151 - 175	6.75
176 - 200	7.50
201 - 225	7.75
226 - 250	8.00
251 - 275	9.00
276 - 300	9.25
301 - 325	9.75
326 - 350	10.00
351 - 375	10.50
376 - 400	10.75
401 - 425	11.00
426 - 450	11.75
451 - 475	12.00
476 - 500	12.50
501 - 525	12.75
526 - 550	13.00
551 - 575	13.50
576 - 600	13.75
601 - up	–†

*Add $2.50 per copy for foreign mailing.

†Add $2.50 for each 100-page increment from 601 to 1,000 pages; add $4.50 for each 100-page increment over 1,000 pages.

swirs search request

For LITERATURE SEARCHES on all aspects of solid waste management with worldwide coverage, request a comprehensive search to meet your research needs, from SWIRS, Post Office Box 2365, Rockville, Maryland 20852. You will receive abstracts of publications that you may request on interlibrary loan.

The materials available from this service are primarily from non-OSWMP-generated sources.

SWIRS SEARCH REQUEST	**SOLID WASTE INFORMATION RETRIEVAL SYSTEM (SWIRS)** **P.O. BOX 2365, ROCKVILLE, MD. 20852**

FROM: *(Mailing address including ZIP code)*		**RESPOND TO:** *(Mailing address including ZIP code)*	
PHONE NUMBER	DATE	PHONE NUMBER	DATE

REQUESTED INFORMATION

INDICATE: (1)Searchable elements; (2)time period, from 1964 to present (e.g., 1973-1976)

AUTHOR(S)	PERIODICAL(S)		PATENT(S)		NON-PERIODICAL(S)	
	YES	NO	YES	NO	YES	NO
1						
2						
3						

ORIGIN	ABSTRACT CLASSIFICATION	LANGUAGE(S)
☐ FOREIGN ONLY	☐ SCIENTIFIC	☐ ENGLISH
☐ DOMESTIC ONLY	☐ TECHNICAL	☐ OTHER *(List below)*
☐ BOTH OF THE ABOVE	☐ BOTH OF THE ABOVE	
	☐ GENERAL	

solid waste information retrieval system (swirs)

In addition to the reports on EPA's solid waste work listed in this publication, solid waste management information users may wish to research the worldwide literature. For this purpose, EPA has an information retrieval system (SWIRS), which generates abstracts in response to keywords. For literature searches on all aspects of solid waste management with worldwide coverage, request a comprehensive search to meet your research needs, from SWIRS, Post Office Box 2365, Rockville, Maryland 20852.

The literature abstracted is primarily from non-OSWMP-generated sources, and is retrievable under the following category searchable elements:

- AGRICULTURAL WASTES
  - Crop residues
  - Manure
  - Timber/other vegetation
- ANALYSIS OF SOLID WASTE
  - Data
- AUTOMOBILES
- BULKY WASTES
- COLLECTION
- COMPOST
- DISPOSAL
- ECONOMICS
  - Disposal costs
  - Financing facilities
  - Pollution control costs
  - Marketing information
  - Taxes and incentives
- HAZARDOUS WASTES
- HEALTH/SAFETY
- INCINERATION
- INDUSTRIAL WASTES
- INSTITUTIONAL WASTES
- LAWS/REGULATIONS
- LITTER
- MANAGEMENT
  - Municipal
  - Regional
  - Rural
  - State
- OCEAN DISPOSAL
- PACKAGING
- PROCESSING/REDUCTION
- RECYCLING
  - Incinerator residue
  - Industrial wastes
  - Mining wastes
  - Municipal refuse
  - Scrap metal
- RESEARCH
- SANITARY LANDFILL
- SEPARATION
- SLUDGE
- STORAGE
- STREET CLEANING
- TRAINING, EDUCATION, PUBLIC RELATIONS
- TRANSPORT
- SOURCE REDUCTION
- ENERGY
  - Demand for solid waste management
  - Fuel from wastes
  - Heat utilization from incineration

The source documents from which the SWIRS summaries are generated are AVAILABLE THROUGH INTERLIBRARY LOANS through all organizational, academic, or local library systems.

To expedite response, please direct all SWIRS literature-search requests to:

SWIRS
P.O. Box 2365
Rockville, Maryland 20852

See SWIRS Search Request on the back of this page.

Please do not send the SWIRS Search Request to the Solid Waste Information address given for OSWMP publications, since this will delay your search.

μσ1307

☆ U. S. GOVERNMENT PRINTING OFFICE : 1976 627-000/560